THIONICS BATTERY®

#### MODEL NUMBER: 12V400A-5DM-DIN-MODULE

#### EXTERNAL BMS VERSION



#### **EXTERNAL BMS REQUIRED**

BMS SOLD SEPARATELY. SEE BMS DATA SHEET PROVIDED BY LITHIONICS BATTERY®.

Item		Description
Model		12V400A-5DM-DIN-MODULE
Nominal Voltage		12.8
Nominal Capacity		400
Nominal Watt Hours		5120
Internal Resistance		<300 milliohms
Charge		
Charging temperature rai	nae	32E/0C to 113E/45C
Charge voltage		14.6
Recommended float char	ge voltage(for standby use)	13.4
Recommended charge cu	irrent*	200
Allowed max charge curre	ent*	400
Discharge		
Discharging temperature	range	-4F/-20C to 131F/55C
Operating Voltage Range		11.6 to 13.4
Recommended discharge	current*	200
Max discharge current*		400
Pulse discharge current		4000
Discharge cut-off voltage		NeverDie® Power Reserve @ 12.00
Mochanical		LOW-VOILage Cut-OII @11.60
Dimensions		Length 24.0"
DITICIISIONS		Width 8 0"
		Width 6.0
		Height 13.85
Weight		Approx. 120Ibs (54.4kg)
Storage		
Storage Temperature & Humidity Range	< 1 Month	-4~95°F (-20~35°C), 45~75%RH
	< 3 Months	14~86°F (-10~30°C), 45~75%RH
	Recommended storage	59~95°F (15~35°C), 45%RH~75%RH
Long Term Storage	If the battery needs to be stored for > 3 months the voltage should be 13.2V (50%SOC), and stored at the recommended storage specifications shown above. Additionally, the battery needs at least one charge & discharge cycle every six month	
Self-discharge rate	Residual capacity	≤3% per month; ≤15% per year
	0 111 11	





4.47

1.00

400 AMP HOURS PULSE AMPS: 4000 (1 SEC) 5120 WATT-HOURS

ENERGY

**CUSTOM COACH & MARINE** 

1. LITHIUM BATTERIES ARE NOT DESIGNED FOR CHARGING IN SUB-FREEZING TEMPERATURES. CONTACT LITHIONICS BATTERY® FOR DETAILS ON OUR COLD WEATHER PACKAGE. 2. INSTALLATION: IT IS RECOMMENDED THAT BATTERIES BE

INSTALLED CABLE OR TERMINAL SIDE UP

WARNING

12V STANDARD SERIES

NOTE: CONTACT LITHIONICS BATTERY® FOR A USER INSTALLATION GUIDE & STORAGE PROCEDURES. FOLLOW THE GUIDE TO ENSURE FITNESS OF USE & WARRANTY.

THIONICS BATTERY® LITHIUM ION IRON PHOSPHATE BATTERY SYSTEMS 

#### MODEL NUMBER: 24V200A-5DM-DIN-MODULE



**EXTERNAL BMS REQUIRED** 

**BMS SOLD SEPARATELY. SEE BMS** DATA SHEET PROVIDED BY LITHIONICS **BATTERY®.** 

Item		Description
Model		24V200A-5DM-DIN-MODULE
Nominal Voltage		25.6
Nominal Capacity		200
Nominal Watt Hours		5120
Internal Resistance	·	<300 milliohms
Charge		
Charging temperature	range	32F/0C to 113F/45C
Charge voltage		29.2
Recommended float cl use)	harge voltage(for standby	26.8
Recommended max cl	narge current*	100
Allowed max charge of	urrent*	200
Discharge		
Discharging temperatu	ure range	-4F/-20C to 131F/55C
Operating Voltage Rar	nge	23.2 to 26.8
Recommended max d	ischarge current*	200
Max discharge current	*	300
Pulse discharge current		2000
Discharge cut-off voltage		NeverDie® Power Reserve @ 24.00 Low-Voltage Cut-
Mechanical		
Dimensions		Length 24.0"
		Width 8.0"
		Height 13.85"
Weight		Approx. 120lbs (54.4kg)
Storage		
Storage Temperature	< 1 Month	-4~95°F (-20~35°C), 45~75%RH
& Humidity Range	< 3 Months	14~86°F (-10~30°C), 45~75%RH
	Recommended storage	59~95°F
Long Term Storage	If the battery needs to be stored for > 3 months the voltage should be 26.4V (50%SOC), and stored at the recommended storage specifications shown above. Additionally, the battery needs at least one charge & discharge cycle every six months	
Self-discharge rate	Residual capacity	≤3% per month; ≤15% per vear
Sen disendige rule		

UL1973 tests of maximum charge and discharge current were performed at 25°C/77°F



PULSE AMPS: 2000 (1 SEC) INSTALLED CABLE OR TERMINAL SIDE UP

**5120 WATT-HOURS** 

### 1. LITHIUM BATTERIES ARE NOT DESIGNED FOR CHARGING IN SUB-FREEZING TEMPERATURES. CONTACT LITHIONICS BATTERY® FOR DETAILS ON OUR COLD WEATHER PACKAGE. 2. INSTALLATION: IT IS RECOMMENDED THAT BATTERIES BE

STANDARD **SERIES** 





**BUMPER TO BUMPER RV, COACH & CHASSIS** ELKHART, IN 866-895-4556 WWW.MASTERTECHRV.COM

#### **EXTERNAL BMS** VERSION



#### MODEL NUMBER: GT12V225A-GC2E-DIN-MODULE

#### EXTERNAL BMS VERSION



BMS SOLD SEPARATELY. SEE BMS DATA SHEET PROVIDED BY LITHIONICS BATTERY®.

Item		
Model		GT12V225A-GC2E-DIN-MODULE
Nominal Voltage		12.8
Nominal Capacity		225
Nominal Watt Hours		2880
Internal Resistance		<300 milliohms
Charge		
Charging temperature rai	nae	32E/0C to 113E/45C
Charge voltage		14.6
Recommended float char	ge voltage(for standby use)	13.4
Recommended max char	ge current*	112.5
Allowed max charge curre	ent*	225
Discharge		
Discharging temperature	range	-4F/-20C to 131F/55C
Operating Voltage Range		11.6 to 13.4
Recommended max disch	arge current*	225
Max discharge current*		337.5
Pulse discharge current		2250
Discharge cut-off voltage		NeverDie® Power Reserve @ 12.00 Low-Voltage Cut-Off @11.60
Mechanical		
Dimensions		Length 22.2"
		Width 8.0"
		Height 14.2"
Weight		Approx. 65lbs (29.5kg)
Storage		
Storage Temperature &	< 1 Month	-4~95°F (-20~35°C), 45~75%RH
Humidity Range	< 3 Months	14~86°F (-10~30°C), 45~75%RH
	Recommended storage	59~95°F (15~35°C), 45%RH~75%RH
Long Term Storage	If the battery needs to be stored for > 3 months the voltage should be 13.2V (50%SOC), and stored at the recommended storage specifications shown above. Additionally, the battery needs at least one charge & discharge cycle every six monthe	
Self-discharge rate	Residual capacity	≤3% per month; ≤15% per year
	Reversible capacity	$\leq$ 1.5%per month: $\leq$ 8% per vear







225 AMP HOURS PULSE AMPS: 2250 (1 SEC) 2880 WATT-HOURS

#### WARNING

1. LITHIUM BATTERIES ARE NOT DESIGNED FOR CHARGING IN SUB-FREEZING TEMPERATURES. CONTACT LITHIONICS BATTERY® FOR DETAILS ON OUR COLD WEATHER PACKAGE. 2. INSTALLATION: IT IS RECOMMENDED THAT BATTERIES BE INSTALLED CABLE OR TERMINAL SIDE UP.

NOTE: CONTACT LITHIONICS BATTERY® FOR A USER INSTALLATION GUIDE & STORAGE PROCEDURES. FOLLOW THE GUIDE TO ENSURE FITNESS OF USE & WARRANTY. 12V GT SERIES



ENERGY



#### MODEL NUMBER: GT12V300A-GC2E-DIN-MODULE

#### EXTERNAL BMS VERSION



BMS SOLD SEPARATELY. SEE BMS DATA SHEET PROVIDED BY LITHIONICS BATTERY®.

Item		Description
Model		GT12V300A-GC2E-DIN-MODULE
Nominal Voltage		12.8
Nominal Capacity		300
Nominal Watt Hours		3840
Internal Resistance		<300 milliohms
Charge		
Charging temperature rai	nae	32E/0C to 113E/45C
Charge voltage		14.6
Recommended float char	ge voltage(for standby use)	13.4
Recommended max charg	ge current*	150
Allowed max charge curre	ent*	300
Discharge		'
Discharging temperature	range	-4F/-20C to 131F/55C
Operating Voltage Range		11.6 to 13.4
Recommended max disch	narge current*	300
Max discharge current*		400
Pulse discharge current		3000
Discharge cut-off voltage		NeverDie® Power Reserve @ 12.00 Low- Voltage Cut-Off @11.60
Mechanical		
Dimensions		Length 22.2"
		Width 8.0"
		Height 14.2"
Weight		Approx. 75lbs (34kg)
Storage		
Storage Temperature &	< 1 Month	-4~95°F (-20~35°C), 45~75%RH
Humidity Range	< 3 Months	14~86°F (-10~30°C), 45~75%RH
, ,	Recommended storage	59~95°F (15~35°C), 45%RH~75%RH
Long Term Storage	If the battery needs to be stored for > 3 months the voltage should be 13.2V (50%SOC), and stored at the recommended storage specifications shown above. Additionally, the battery needs at least one charge & discharge cycle every six month	
Self-discharge rate	Residual capacity	≤3% per month; ≤15% per year
	Reversible capacity	<1.5% per month: <8% per year









**CUSTOM COACH & MARINE** 

300 AMP HOURS

PULSE AMPS: 3000 (1 SEC)

3840 WATT-HOURS

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1. LITHIUM BATTERIES ARE NOT DESIGNED FOR CHARGING IN SUB-FREEZING TEMPERATURES. CONTACT LITHIONICS BATTERY® FOR DETAILS ON OUR COLD WEATHER PACKAGE. 2. INSTALLATION: IT IS RECOMMENDED THAT BATTERIES BE INSTALLED CABLE OR TERMINAL SIDE UP.

NOTE: CONTACT LITHIONICS BATTERY® FOR A USER INSTALLATION GUIDE & STORAGE PROCEDURES. FOLLOW THE GUIDE TO ENSURE FITNESS OF USE & WARRANTY.





#### MODEL NUMBER: GT12V375A-8D-DIN-MODULE

#### EXTERNAL BMS VERSION



EXTERNAL BMS REQUIRED

BMS SOLD SEPARATELY. SEE BMS DATA SHEET PROVIDED BY LITHIONICS BATTERY®.

Item		Description
Model		GT12V375A-8D-DIN-MODULE
Nominal Voltage		12.8
Nominal Capacity		375
Nominal Watt Hours		4800
Internal Resistance		<300 milliohms
Charge		
Charging temperature ra	nge	32E/0C to 113E/45C
Charge voltage		14.6
Recommended float char	rge voltage(for standby use)	13.4
Recommended max char	ge current*	187.5
Allowed max charge curr	ent*	375
Discharge		
Discharging temperature	range	-4F/-20C to 131F/55C
Operating Voltage Range	2	11.6 to 13.4
Recommended max disch	harge current*	375
Max discharge current*		400
Pulse discharge current		3750
Discharge cut-off voltage		NeverDie® Power Reserve @ 12.00 Low- Voltage Cut-Off @11.60
Mechanical		
Dimensions		Length 23.0"
		Width 13.0"
		Height 12.0"
Weight		Approx. 95lbs (43kg)
Storage		
Storage Temperature &	< 1 Month	-4~95°F (-20~35°C), 45~75%RH
Humidity Range	< 3 Months	14~86°F (-10~30°C), 45~75%RH
, 5	Recommended storage	59~95°F (15~35°C), 45%RH~75%RH
Long Term Storage	If the battery needs to be stored for $> 3$ months the voltage should be 13.2V (50%SOC), and stored at the recommended storage specifications shown above. Additionally, the battery needs at least one charge & discharge cycle every six months	
Self-discharge rate	Residual capacity	≤3% per month; ≤15% per year
		11 50/







ENERGY

**CUSTOM COACH & MARINE** 

WARNING

1. LITHIUM BATTERIES ARE NOT DESIGNED FOR CHARGING IN SUB-FREEZING TEMPERATURES. CONTACT LITHIONICS BATTERY® FOR DETAILS ON OUR COLD WEATHER PACKAGE. 2. INSTALLATION: IT IS RECOMMENDED THAT BATTERIES BE INSTALLED CABLE OR TERMINAL SIDE UP.

NOTE: CONTACT LITHIONICS BATTERY® FOR A USER INSTALLATION GUIDE & STORAGE PROCEDURES. FOLLOW THE GUIDE TO ENSURE FITNESS OF USE & WARRANTY.



#### MODEL NUMBER: GT12V375A-F1915-DIN-MODULE

#### EXTERNAL BMS VERSION



EXTERNAL BMS REQUIRED

BMS SOLD SEPARATELY. SEE BMS DATA SHEET PROVIDED BY LITHIONICS BATTERY®.

Item		Description
Model		GT12V375A-F1915-DIN-MODULE
Nominal Voltage		12.8
Nominal Capacity		375
Nominal Watt Hours		4800
Internal Resistance		<300 milliohms
Charge		
Charging temperature	range	32F/0C to 113F/45C
Charge voltage		14.6
Recommended float d use)	narge voltage(for standby	13.4
Recommended max ch	narge current*	187.5
Allowed max charge c	urrent*	375
Discharge		
Discharging temperatu	ire range	-4F/-20C to 131F/55C
Operating Voltage Rar	nge	11.6 to 13.4
Recommended max di	ischarge current*	375
Max discharge current	*	400
Pulse discharge currer	it	3750
Discharge cut-off voltage		NeverDie® Power Reserve @ 12.00 Low-Voltage Cut-Off @11.60
Mechanical		
Dimensions		Length 19.0"
		Width 15.0"
		Height 11.99"
Weight		Approx. 95lbs (43kg)
Storage		
Storage Temperature	< 1 Month	-4~95°F (-20~35°C), 45~75%RH
& Humidity Range	< 3 Months	14~86°F (-10~30°C), 45~75%RH
	Recommended storage	59~95°F (15~35°C), 45%RH~75%RH
Long Term Storage	If the battery needs to be stored for > 3 months the voltage should be	
	13.2V (50%SOC), and stored at the recommended storage spectrum shown above. Additionally, the battery needs at least one charg discharge cycle every six months.	
Self-discharge rate	Residual capacity	≤3% per month; ≤15% per year
5		11 50/



375 AMP HOURS900<

WARNING

1. LITHIUM BATTERIES ARE NOT DESIGNED FOR CHARGING IN SUB-FREEZING TEMPERATURES. CONTACT LITHIONICS BATTERY® FOR DETAILS ON OUR COLD WEATHER PACKAGE. 2. INSTALLATION: IT IS RECOMMENDED THAT BATTERIES BE INSTALLED CABLE OR TERMINAL SIDE UP.

NOTE: CONTACT LITHIONICS BATTERY® FOR A USER INSTALLATION GUIDE & STORAGE PROCEDURES. FOLLOW THE GUIDE TO ENSURE FITNESS OF USE & WARRANTY. 12V GT SERIES





#### MODEL NUMBER: GT12V450A-8D-DIN-MODULE





BMS SOLD SEPARATELY. SEE BMS DATA SHEET PROVIDED BY LITHIONICS BATTERY®.

Item		Description
Model		GT12V450A-8D-DIN-MODULE
Nominal Voltage		12.8
Nominal Capacity		450
Nominal Watt Hours		5760
Internal Resistance		<300 milliohms
Charge		
Charging temperature	range	32F/0C to 113F/45C
Charge voltage		14.6
Recommended float c use)	harge voltage(for standby	13.4
Recommended max c	harge current*	225
Allowed max charge of	current*	400
Discharge		
Discharging temperate	ure range	-4F/-20C to 131F/55C
Operating Voltage Rar	nge	11.6 to 13.4
Recommended max d	ischarge current*	400
Max discharge current	*	400
Pulse discharge currer	nt	4500
Discharge cut-off voltage		NeverDie® Power Reserve @ 12.00 Low-Voltage Cut-Off @11.60
Mechanical		
Dimensions		Length 23.0"
		Width 13.0"
		Height 12.0"
Weight		Approx. 120bs (54.4kg)
Storage		
Storage Temperature	< 1 Month	-4~95°F (-20~35°C), 45~75%RH
& Humidity Range	< 3 Months	14~86°F (-10~30°C), 45~75%RH
	Recommended storage	59~95°F (15~35°C), 45%RH~75%RH
Long Term Storage	If the battery needs to be stored for > 3 months the voltage should be 13.2V (50%SOC), and stored at the recommended storage specification shown above. Additionally, the battery needs at least one charge & discharge cycle every six months.	
Self-discharge rate	Residual capacity	≤3% per month; ≤15% per year
5	Reversible capacity	≤1.5%per month; ≤8% per year
* Maximum charging and dise UL1973 tests of maximum cha	charging rates apply depending upo rge and discharge current were perf	n the ambient temperature and duty cycle of the system. ormed at 25°C/77°F









450 AMP HOURS

PULSE AMPS: 4500 (1 SEC)

5760 WATT-HOURS

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WARNING

NOTE: CONTACT LITHIONICS BATTERY® FOR A USER INSTALLATION GUIDE & STORAGE PROCEDURES. FOLLOW THE GUIDE TO ENSURE FITNESS OF USE & WARRANTY.

INSTALLED CABLE OR TERMINAL SIDE UP

12V GT SERIES



### LITHIONICS BATTERY

#### MODEL NUMBER: GT12V450A-F24-DIN-MODULE-UL

#### EXTERNAL BMS VERSION



#### **EXTERNAL BMS REQUIRED**

BMS SOLD SEPARATELY. SEE BMS DATA SHEET PROVIDED BY LITHIONICS BATTERY®.

Item		Description
Model		GT12V450A-F24-DIN-MODULE-UL
Nominal Voltage		12.8
Nominal Capacity		450
Nominal Watt Hours		5760
Internal Resistance		<300 milliohms
Charge		
Charging temperature	range	32F/0C to 113F/45C
Charge voltage		14.6
Recommended float cl use)	harge voltage(for standby	13.4
Recommended max cl	narge current*	225
Allowed max charge of	urrent*	400
Discharge		·
Discharging temperatu	ire range	-4F/-20C to 131F/55C
Operating Voltage Rar	nge	11.6 to 13.4
Recommended max d	ischarge current*	400
Max discharge current	*	400
Pulse discharge currer	it	4500
Discharge cut-off voltage		NeverDie® Power Reserve @ 12.00 Low-Voltage Cut-Off @11.60
Mechanical		
Dimensions		Length 24"
		Width 13"
		Height 11.22"
Weight		Approx. 130bs (58.9kg)
Storage		
Storage Temperature	< 1 Month	-4~95°F (-20~35°C), 45~75%RH
& Humidity Range	< 3 Months	14~86°F (-10~30°C), 45~75%RH
	Recommended storage	59~95°F (15~35°C), 45%RH~75%RH
Long Term Storage	If the battery needs to be stored for $> 3$ months the voltage should be 13.2V (50%SOC), and stored at the recommended storage specifications shown above. Additionally, the battery needs at least one charge & discharge cycle every six months.	
Self-discharge rate	Residual capacity	≤3% per month; ≤15% per year
	Reversible canacity	<1.5%per month: <8% per year







#### WARNING

1. LITHIUM BATTERIES ARE NOT DESIGNED FOR CHARGING IN SUB-FREEZING TEMPERATURES. CONTACT LITHIONICS BATTERY® FOR DETAILS ON OUR COLD WEATHER PACKAGE. 2. INSTALLATION: IT IS RECOMMENDED THAT BATTERIES BE INSTALLED CABLE OR TERMINAL SIDE UP. 12V GT SERIES

NOTE: CONTACT LITHIONICS BATTERY® FOR A USER INSTALLATION GUIDE & STORAGE PROCEDURES. FOLLOW THE GUIDE TO ENSURE FITNESS OF USE & WARRANTY.

TECH & RV CUSTOM COACH & MARINE

THONICS BATT ERY®

#### MODEL NUMBER: GT12V450A-F1915-DIN-MODULE

#### **EXTERNAL BMS** VERSION



**EXTERNAL BMS REQUIRED** 

**BMS SOLD SEPARATELY. SEE BMS** DATA SHEET PROVIDED BY LITHIONICS **BATTERY®.** 

Item		Description
Model		GT12V450A-F1915-DIN-MODULE
Nominal Voltage		12.8
Nominal Capacity		450
Nominal Watt Hours		5760
Internal Resistance		<300 milliohms
Charge		
Charging temperature	range	32F/0C to 113F/45C
Charge voltage		14.6
Recommended float d use)	harge voltage(for standby	13.4
Recommended max cl	narge current*	225
Allowed max charge c	urrent*	400
Discharge		
Discharging temperatu	ure range	-4F/-20C to 131F/55C
Operating Voltage Rar	nge	11.6 to 13.4
Recommended max di	ischarge current*	400
Max discharge current	*	400
Pulse discharge currer	nt	4500
Discharge cut-off voltage		NeverDie® Power Reserve @ 12.00
Mechanical		LOW-VOILage Cut-OII @11.60
Dimensions		Length 19.0"
Dimensions		Width 15.0"
		Height 11 00"
Woight		Approx 128bc (58 1kg)
Storago		Approx. 12805 (58.1kg)
Storage		4 0505 ( 20 2500) 45 350( 01)
Storage Temperature & Humidity Range		-4~95°F (-20~35°C), 45~75%RH
	< 3 Months	14~86°F (-10~30°C), 45~/5%RH
	Recommended storage	59~95°F (15~35°C), 45%RH~75%RH
Long Term Storage	If the battery needs to be stored for > 3 months the voltage should be 13.2V (50%SOC), and stored at the recommended storage specification shown above. Additionally, the battery needs at least one charge & discharge cycle every six months.	
Self-discharge rate	Residual capacity	≤3% per month; ≤15% per year

1.00 4.47 11.12 19.00





**450 AMP HOURS** 

PULSE AMPS: 4500 (1SEC)

5760 WATT-HOURS

#### WARNING

1. LITHIUM BATTERIES ARE NOT DESIGNED FOR CHARGING IN SUB-FREEZING TEMPERATURES. CONTACT LITHIONICS BATTERY® FOR DETAILS ON OUR COLD WEATHER PACKAGE. 2. INSTALLATION: IT IS RECOMMENDED THAT BATTERIES BE INSTALLED CABLE OR TERMINAL SIDE UP

12V **SERIES** 



**CUSTOM COACH & MARINE** 

ENERGY



#### MODEL NUMBER: GT12V525A-8D-DIN-MODULE

#### EXTERNAL BMS VERSION



BMS SOLD SEPARATELY. SEE BMS DATA SHEET PROVIDED BY LITHIONICS BATTERY®.

Item		Description
Model		GT12V525A-8D-DIN-MODULE
Nominal Voltage		12.8
Nominal Capacity		525
Nominal Watt Hours		6720
Internal Resistance		<300 milliohms
Charge		
Charging temperature ra	nae	32E/0C to 113E/45C
Charge voltage		14.6
Recommended float char	ge voltage(for standby use)	13.4
Recommended max chan	ge current*	262.5
Allowed max charge curr	ent*	400
Discharge		100
Discharging temperature	range	-4F/-20C to 131F/55C
Operating Voltage Range	1	11.6 to 13.4
Recommended max disch	narge current*	400
Max discharge current*		400
Pulse discharge current		5250
Discharge cut-off voltage		NeverDie® Power Reserve @ 12.00 Low-Voltage Cut-Off @11.60
Mechanical		
Dimensions		Length 23.0"
		Width 13.0"
		Height 12.0"
Weight		Approx. 133lbs (60.3kg)
Storage		
Storage Temperature &	< 1 Month	-4~95°F (-20~35°C), 45~75%RH
Humidity Range	< 3 Months	14~86°F (-10~30°C), 45~75%RH
, ,	Recommended storage	59~95°F (15~35°C), 45%RH~75%RH
Long Term Storage	If the battery needs to be stored for > 3 months the voltage should be 13.2V (50%SOC), and stored at the recommended storage specifications shown above. Additionally, the battery needs at least one charge & discharge cycle every six months	
Self-discharge rate	Residual capacity	≤3% per month; ≤15% per year
	Reversible canacity	<1.5%per month: <8% per year









#### WARNING

1. LITHIUM BATTERIES ARE NOT DESIGNED FOR CHARGING IN SUB-FREEZING TEMPERATURES. CONTACT LITHIONICS BATTERY® FOR DETAILS ON OUR COLD WEATHER PACKAGE. 2. INSTALLATION: IT IS RECOMMENDED THAT BATTERIES BE INSTALLED CABLE OR TERMINAL SIDE UP.

NOTE: CONTACT LITHIONICS BATTERY® FOR A USER INSTALLATION GUIDE & STORAGE PROCEDURES. FOLLOW THE GUIDE TO ENSURE FITNESS OF USE & WARRANTY. 12V GT SERIES



ENERGY

#### MODEL NUMBER: GT12V525A-F24-DIN-MODULE-UL

#### EXTERNAL BMS VERSION



#### EXTERNAL BMS REQUIRED

BMS SOLD SEPARATELY. SEE BMS DATA SHEET PROVIDED BY LITHIONICS BATTERY®.

Item		Description
Model		GT12V525A-F24-MODULE-DIN
Nominal Voltage		12.8
Nominal Capacity		525
Nominal Watt Hours		6720
Internal Resistance	·	<300 milliohms
Charge		
Charging temperature	range	32F/0C to 113F/45C
Charge voltage		14.6
Recommended float c use)	harge voltage(for standby	13.4
Recommended charge	e current*	262.5
Allowed max charge of	current*	300
Discharge		
Discharging temperate	ure range	-4F/-20C to 131F/55C
Operating Voltage Rai	nge	11.6 to 13.4
Recommended discha	rge current*	262.5
Max discharge current	*	300
Pulse discharge current		5250
Discharge cut-off voltage		NeverDie® Power Reserve @ 12.00
Mechanical		LOW-VOILage Cut-OII @11.60
Dimensions		Length 24.0"
Difficitions		Width 13.0"
		Height 11 1"
Moight		Approx 145lbs (65.0kg)
weight		Approx. 14505 (65.9kg)
Storage		4 0505 ( 20 2500) 45 250( 01)
Storage Temperature & Humidity Range		-4~95°F (-20~35°C), 45~75%RH
	< 3 Months	14~86°F (-10~30°C), 45~75%RH
Long Term Storage	If the battery needs to be stored for > 3 months the voltage should be 13.2V (50%SOC), and stored at the recommended storage specification shown above. Additionally, the battery needs at least one charge & discharge cycle every six months.	
Self-discharge rate	Residual capacity	≤3% per month; ≤15% per year
5	Reversible capacity	≤1.5%per month; ≤8% per year
* Maximum charging and dis	charging rates apply depending upo	n the ambient temperature and duty cycle of the system.





**CUSTOM COACH & MARINE** 

1. LITHIUM BATTERIES ARE NOT DESIGNED FOR CHARGING IN SUB-FREEZING TEMPERATURES. CONTACT LITHIONICS BATTERY® FOR DETAILS ON OUR COLD WEATHER PACKAGE. 2. INSTALLATION: IT IS RECOMMENDED THAT BATTERIES BE INSTALLED CABLE OR TERMINAL SIDE UP.

WARNING

12V GT SERIES

NOTE: CONTACT LITHIONICS BATTERY® FOR A USER INSTALLATION GUIDE & STORAGE PROCEDURES. FOLLOW THE GUIDE TO ENSURE FITNESS OF USE & WARRANTY.



#### MODEL NUMBER: GT12V600A-8D-DIN-MODULE

#### **EXTERNAL BMS** VERSION



**BMS SOLD SEPARATELY. SEE BMS** DATA SHEET PROVIDED BY LITHIONICS **BATTERY®.** 

Item		Description
Model		GT12V600A-8D-DIN-MODULE
Nominal Voltage		12.8
Nominal Capacity		600
Nominal Watt Hours		7680
Internal Resistance		<300 milliohms
Charge		
Charging temperature rar	nge	32F/0C to 113F/45C
Charge voltage	<u> </u>	14.6
Recommended float char	ge voltage(for standby use)	13.4
Recommended charge cu	rrent*	300
Allowed max charge curre	ent*	400
Discharge		
Discharging temperature	range	-4F/-20C to 131F/55C
Operating Voltage Range		11.6 to 13.4
Recommended discharge	current*	300
Max discharge current*		400
Pulse discharge current		6000
Discharge cut-off voltage		NeverDie® Power Reserve @ 12.00 Low-Voltage Cut-Off @11.60
Mechanical		
Dimensions		Length 23.0"
		Width 13.0"
		Height 12.0"
Weight		Approx. 150lbs (68kg)
Storage		
Storage Temperature &	< 1 Month	-4~95°F (-20~35°C), 45~75%RH
Humidity Range	< 3 Months	14~86°F (-10~30°C), 45~75%RH
	Recommended storage	59~95°F (15~35°C), 45%RH~75%RH
Long Term Storage	If the battery needs to be stored for > 3 months the voltage should be 13.2V (50%SOC), and stored at the recommended storage specifications shown above. Additionally, the battery needs at least one charge & discharge cycle every six months	
Self-discharge rate	Residual capacity	$\leq$ 3% per month; $\leq$ 15% per year
Jen Lies Je rate		





**600 AMP HOURS** PULSE AMPS: 6000 (1 SEC) INSTALLED CABLE OR TERMINAL SIDE UP 7680 WATT-HOURS

#### WARNING

1. LITHIUM BATTERIES ARE NOT DESIGNED FOR CHARGING IN SUB-FREEZING TEMPERATURES. CONTACT LITHIONICS BATTERY® FOR DETAILS ON OUR COLD WEATHER PACKAGE. 2. INSTALLATION: IT IS RECOMMENDED THAT BATTERIES BE

NOTE: CONTACT LITHIONICS BATTERY® FOR A USER INSTALLATION GUIDE & STORAGE PROCEDURES. FOLLOW THE GUIDE TO ENSURE FITNESS OF USE & WARRANTY.

**SERIES** 



ENERGY

#### MODEL NUMBER: GT12V600A-F24-DIN-MODULE

#### EXTERNAL BMS VERSION



#### **EXTERNAL BMS REQUIRED**

BMS SOLD SEPARATELY. SEE BMS DATA SHEET PROVIDED BY LITHIONICS BATTERY®.

Item		Description
Model		GT12V600A-F24-DIN-MODULE
Nominal Voltage		12.8
Nominal Capacity		600
Nominal Watt Hours		7680
Internal Resistance		<300 milliohms
Charge		
Charging temperature rai	nae	32E/0C to 113E/45C
Charge voltage	.90	14.6
Recommended float chan	ge voltage(for standby use)	13.4
Recommended charge cu	rrent*	300
Allowed max charge curre	ent*	400
Discharge		
Discharging temperature	range	-4F/-20C to 131F/55C
Operating Voltage Range		11.6 to 13.4
Recommended discharge	current*	300
Max discharge current*		400
Pulse discharge current		6000
Discharge cut-off voltage		NeverDie® Power Reserve @ 12.00
Mechanical		
Dimensions		Length 24.0"
		Width 13.0"
		Height 11.1"
Weight		Approx. 160lbs (72.6kg)
Storage		
Storage Temperature &	< 1 Month	-4~95°F (-20~35°C), 45~75%RH
Humidity Range	< 3 Months	14~86°F (-10~30°C), 45~75%RH
	Recommended storage	59~95°F (15~35°C), 45%RH~75%RH
Long Term Storage	If the battery needs to be stored for $>$ 3 months the voltage should be 13.2V (50%SOC), and stored at the recommended storage specifications shown above. Additionally, the battery needs at least one charge & discharge cycle every six mont	
Self-discharge rate	Residual capacity	≤3% per month; ≤15% per year
j	Reversible capacity	<1.5%per month: <8% per year

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WARNING

12V GT SERIES

NOTE: CONTACT LITHIONICS BATTERY® FOR A USER INSTALLATION GUIDE & STORAGE PROCEDURES. FOLLOW THE GUIDE TO ENSURE FITNESS OF USE & WARRANTY.



HIONICS BAT ITHIUM ION IRON PHOSPHATE BAT

#### MODEL NUMBER: GT12V600A-F24-DIN-MODULE-UL

#### **EXTERNAL BMS** VERSION



#### **EXTERNAL BMS REQUIRED**

**BMS SOLD SEPARATELY. SEE BMS** DATA SHEET PROVIDED BY LITHIONICS **BATTERY®.** 

Item		Description
Model		GT12V600A-F24-DIN-MODULE-UL
Nominal Voltage		12.8
Nominal Capacity		600
Nominal Watt Hours		7680
Internal Resistance		<300 milliohms
Charge		
Charging temperature rai	nae	32F/0C to 113F/45C
Charge voltage	<u> </u>	14.6
Recommended float char	ge voltage(for standby use)	13.4
Recommended charge cu	rrent*	300
Allowed max charge curre	ent*	400
Discharge		· · · ·
Discharging temperature	range	-4F/-20C to 131F/55C
Operating Voltage Range		11.6 to 13.4
Recommended discharge	current*	300
Max discharge current*		400
Pulse discharge current		6000
Discharge cut-off voltage		NeverDie® Power Reserve @ 12.00 Low-Voltage Cut-Off @11.60
Mechanical		
Dimensions		Length 24.0"
		Width 13.0"
		Height 11.1"
Weight		Approx. 160lbs (72.6kg)
Storage		
Storage Temperature &	< 1 Month	-4~95°F (-20~35°C), 45~75%RH
Humidity Range	< 3 Months	14~86°F (-10~30°C), 45~75%RH
	Recommended storage	59~95°F (15~35°C), 45%RH~75%RH
Long Term Storage	If the battery needs to be stored for > 3 months the voltage should be 13.2V (50%SOC), and stored at the recommended storage specifications shown above. Additionally, the battery needs at least one charge & discharge cycle every six monther the store of the store o	
Self-discharge rate	Residual capacity	≤3% per month; ≤15% per year
<b>j</b>	Reversible capacity	<1.5%per month: <8% per year

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WARNING

12V **SERIES** 

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**BUMPER TO BUMPER RV, COACH & CHASSIS CUSTOM COACH & MARINE** 



#### MODEL NUMBER: GT24V150A-GC2E-DIN-MODULE

#### EXTERNAL BMS VERSION



BMS SOLD SEPARATELY. SEE BMS DATA SHEET PROVIDED BY LITHIONICS BATTERY®.

Item		Description
Model		GT24V150A-GC2E-DIN-MODULE
Nominal Voltage		25.6
Nominal Capacity		150
Nominal Watt Hours		3840
Internal Resistance		<300 milliohms
Charge		
Charging temperature rai	nge	32F/0C to 113F/45C
Charge voltage	<u> </u>	29.2
Recommended float char	ge voltage(for standby use)	26.8
Recommended max charg	ge current*	75
Allowed max charge curre	ent*	150
Discharge		
Discharging temperature	range	-4F/-20C to 131F/55C
Operating Voltage Range		23.2 to 26.8
Recommended max disch	narge current*	150
Max discharge current*		225
Pulse discharge current		1500
Discharge cut-off voltage		NeverDie     Power Reserve     24.00     Low-Voltage     Cut-Off     @23.2
Mechanical		
Dimensions		Length 22.2"
		Width 8.0"
		Height 14.2"
Weight		Approx. 75lbs (34kg)
Storage		
Storage Temperature & Humidity Range	< 1 Month	-4~95°F (-20~35°C), 45~75%RH
	< 3 Months	14~86°F (-10~30°C), 45~75%RH
	Recommended storage	59~95°F (15~35°C), 45%RH~75%RH
Long Term Storage	If the battery needs to be stored for > 3 months the voltage should be $13.2V$ (50%SOC), and stored at the recommended storage specifications shown above. Additionally, the battery needs at least one charge & discharge cycle every six months.	
Self-discharge rate	Residual capacity	≤3% per month; ≤15% per year
oen albenarge rate	Poversible capacity	<1.5% per month: <8% per vear





150 AMP HOURS PULSE AMPS: 1500 (1 SEC) 3840 WATT-HOURS

**CUSTOM COACH & MARINE** 

ENERGY

#### WARNING

1. LITHIUM BATTERIES ARE NOT DESIGNED FOR CHARGING IN SUB-FREEZING TEMPERATURES. CONTACT LITHIONICS BATTERY® FOR DETAILS ON OUR COLD WEATHER PACKAGE. 2. INSTALLATION: IT IS RECOMMENDED THAT BATTERIES BE INSTALLED CABLE OR TERMINAL SIDE UP.

NOTE: CONTACT LITHIONICS BATTERY® FOR A USER INSTALLATION GUIDE & STORAGE PROCEDURES. FOLLOW THE GUIDE TO ENSURE FITNESS OF USE & WARRANTY.





#### MODEL NUMBER: GT24V225A-8D-DIN-MODULE

#### EXTERNAL BMS VERSION



EXTERNAL BMS REQUIRED

BMS SOLD SEPARATELY. SEE BMS DATA SHEET PROVIDED BY LITHIONICS BATTERY®.

Item		Description
Model		GT24V225A-8D-DIN-MODULE
Nominal Voltage		25.6
Nominal Capacity		225
Nominal Watt Hours		5760
Internal Resistance		<300 milliohms
Charge		
Charging temperature rai	nge	32E/0C to 113E/45C
Charge voltage		29.2
Recommended float char	ge voltage(for standby use)	26.8
Recommended max char	ge current*	112.5
Allowed max charge curre	ent*	225
Discharge		
Discharging temperature	range	-4F/-20C to 131F/55C
Operating Voltage Range		23.2 to 26.8
Recommended max disch	narge current*	225
Max discharge current*		337.5
Pulse discharge current		2250
Discharge cut-off voltage		NeverDie® Power Reserve @ 24.00 Low-Voltage Cut-Off @23.2
Mechanical		
Dimensions		Length 23.0"
		Width 13.0"
		Height 12.0"
Weight		Approx, 125lbs (56.7kg)
Storage		FF
Storage Temperature &	< 1 Month	-4~95°F (-20~35°C), 45~75%RH
Humidity Range	< 3 Months	14~86°E (-10~30°C), 45~75%RH
	Recommended storage	59~95°F (15~35°C), 45%RH~75%RH
Long Term Storage	If the battery needs to be stored for > 3 months the voltage should be 13.2V (50%SOC), and stored at the recommended storage specifications shown above. Additionally, the battery needs at least one charge & discharge cycle every six mon	
Self-discharge rate	Residual capacity	≤3% per month; ≤15% per year
-	Reversible canacity	<1.5%per month: <8% per year







#### WARNING

1. LITHIUM BATTERIES ARE NOT DESIGNED FOR CHARGING IN SUB-FREEZING TEMPERATURES. CONTACT LITHIONICS BATTERY® FOR DETAILS ON OUR COLD WEATHER PACKAGE. 2. INSTALLATION: IT IS RECOMMENDED THAT BATTERIES BE INSTALLED CABLE OR TERMINAL SIDE UP.

NOTE: CONTACT LITHIONICS BATTERY® FOR A USER INSTALLATION GUIDE & STORAGE PROCEDURES. FOLLOW THE GUIDE TO ENSURE FITNESS OF USE & WARRANTY.





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#### MODEL NUMBER: GT24V225A-F24-DIN-MODULE-UL

#### **EXTERNAL BMS** VERSION



#### **EXTERNAL BMS REQUIRED**

**BMS SOLD SEPARATELY. SEE BMS** DATA SHEET PROVIDED BY LITHIONICS **BATTERY®.** 

Item		Description
Model		GT24V225A-F24-MODULE-DIN
Nominal Voltage		25.6
Nominal Capacity		225
Nominal Watt Hours		5760
Internal Resistance		<300 milliohms
Charge		
Charging temperature	range	32F/0C to 113F/45C
Charge voltage		29.2
Recommended float c use)	harge voltage(for standby	26.8
Recommended charge	e current*	100
Allowed max charge of	current*	125
Discharge		
Discharging temperate	ure range	-4F/-20C to 131F/55C
Operating Voltage Ra	nge	23.2 to 26.8
Recommended discharge current*		150
Max discharge current*		200
Pulse discharge current		2250
Discharge cut-off voltage		NeverDie® Power Reserve @ 24.00
Mochanical		Low-voltage Cut-Off @23.2
Dimonsions		Longth 24.0"
Dimensions		Lengui 24.0
		Height 11.1"
Weight		Approx. 142lbs (64.5kg)
Storage		
Storage Temperature & Humidity Range	< 1 Month	-4~95°F (-20~35°C), 45~75%RH
	< 3 Months	14~86°F (-10~30°C), 45~75%RH
	Recommended storage	59~95°F (15~35°C), 45%RH~75%RH
Long Term Storage	If the battery needs to be stored for > 3 months the voltage should be 26.4V (50%SOC), and stored at the recommended storage specification shown above. Additionally, the battery needs at least one charge & discharge cycle every six months.	
Self-discharge rate	Residual capacity	≤3% per month; ≤15% per year
	Reversible capacity	≤1.5%per month; ≤8% per year
* Maximum charging and dis	Reversible capacity charging rates apply depending upo	S1.5% per month; ≤8% per year n the ambient temperature and duty cycle of the system.





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4 **SERIES** 

NOTE: CONTACT LITHIONICS BATTERY® FOR A USER INSTALLATION GUIDE & STORAGE PROCEDURES. FOLLOW THE GUIDE TO ENSURE FITNESS OF USE & WARRANTY.

WARNING



#### MODEL NUMBER: GT24V300A-8D-DIN-MODULE

#### **EXTERNAL BMS** VERSION



EXTERNAL BMS REQUIRED

**BMS SOLD SEPARATELY. SEE BMS** DATA SHEET PROVIDED BY LITHIONICS **BATTERY®.** 

Item		Description
Model		GT24V300A-8D-DIN-MODULE
Nominal Voltage		25.6
Nominal Capacity		300
Nominal Watt Hours		7680
Internal Resistance		<300 milliohms
Charge		
Charging temperature	range	32F/0C to 113F/45C
Charge voltage		29.2
Recommended float d use)	harge voltage(for standby	26.8
Recommended max d	harge current*	150
Allowed max charge of	current*	300
Discharge		
Discharging temperati	ure range	-4F/-20C to 131F/55C
Operating Voltage Rar	nge	23.2 to 26.8
Recommended max d	ischarge current*	300
Max discharge current	*	400
Pulse discharge current		3000
Discharge cut-off voltage		NeverDie® Power Reserve @ 24.00 Low-Voltage Cut-Off @23.2
Mechanical		-
Dimensions		Length 23"
		Width 13.0"
		Height 12.0"
Weight		Approx. 145lbs (65.8kg)
Storage		
Storage Temperature & Humidity Range	< 1 Month	-4~95°F (-20~35°C), 45~75%RH
	< 3 Months	14~86°F (-10~30°C), 45~75%RH
	Recommended storage	59~95°F (15~35°C), 45%RH~75%RH
Long Term Storage	If the battery needs to be stored for > 3 months the voltage should be 13.2V (50%SOC), and stored at the recommended storage specification shown above. Additionally, the battery needs at least one charge & discharge cycle every six months.	
Self-discharge rate	Residual capacity	≤3% per month; ≤15% per year
	Reversible capacity	<1.5%per month: <8% per year









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WARNING

1. LITHIUM BATTERIES ARE NOT DESIGNED FOR CHARGING IN SUB-FREEZING TEMPERATURES. CONTACT LITHIONICS BATTERY® FOR DETAILS ON OUR COLD WEATHER PACKAGE. 2. INSTALLATION: IT IS RECOMMENDED THAT BATTERIES BE INSTALLED CABLE OR TERMINAL SIDE UP

NOTE: CONTACT LITHIONICS BATTERY® FOR A USER INSTALLATION GUIDE & STORAGE PROCEDURES. FOLLOW THE GUIDE TO ENSURE FITNESS OF USE & WARRANTY.



#### MODEL NUMBER: GT24V300A-F24-DIN-MODULE

#### EXTERNAL BMS VERSION



#### **EXTERNAL BMS REQUIRED**

BMS SOLD SEPARATELY. SEE BMS DATA SHEET PROVIDED BY LITHIONICS BATTERY®.

Item		Description
Model		GT24V300A-F24-DIN-MODULE
Nominal Voltage		25.6
Nominal Capacity		300
Nominal Watt Hours		7680
Internal Resistance		<300 milliohms
Charge		
Charging temperature rar	nge	32F/0C to 113F/45C
Charge voltage		29.2
Recommended float char	ge voltage(for standby use)	26.8
Recommended max charge	ge current*	150
Allowed max charge curre	ent*	300
Discharge		
Discharging temperature	range	-4F/-20C to 131F/55C
Operating Voltage Range		23.2 to 26.8
Recommended max disch	large current*	300
Max discharge current*		400
Pulse discharge current		3000
Discharge cut-off voltage		NeverDie® Power Reserve @ 24.00 Low-Voltage Cut-Off @23.2
Mechanical		l
Dimensions		Length 24.0"
		Width 13.0"
		Height 11.1"
Weight		Approx. 160lbs (72.6kg)
Storage		
Storage Temperature & Humidity Range	< 1 Month	-4~95°F (-20~35°C), 45~75%RH
	< 3 Months	14~86°E (-10~30°C), 45~75%RH
	Recommended storage	59~95°F (15~35°C), 45%RH~75%RH
Long Term Storage	If the battery needs to be stored for $> 3$ months the voltage should be 13.2V (50%5OC), and stored at the recommended storage specifications shown above. Additionally, the battery needs at least one charge & discharge cycle every six month	
Self-discharge rate	Residual capacity	≤3% per month; ≤15% per year

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WARNING

24V GT SERIES

NOTE: CONTACT LITHIONICS BATTERY® FOR A USER INSTALLATION GUIDE & STORAGE PROCEDURES. FOLLOW THE GUIDE TO ENSURE FITNESS OF USE & WARRANTY.

#### MODEL NUMBER: GT24V300A-F24-DIN-MODULE-UL

#### EXTERNAL BMS VERSION



#### **EXTERNAL BMS REQUIRED**

BMS SOLD SEPARATELY. SEE BMS DATA SHEET PROVIDED BY LITHIONICS BATTERY®.

Item		Description
Model		GT24V300A-F24-DIN-MODULE-UL
Nominal Voltage		25.6
Nominal Capacity		300
Nominal Watt Hours		7680
Internal Resistance		<300 milliohms
Charge		
Charging temperature rar	nge	32F/0C to 113F/45C
Charge voltage	<u>,                                     </u>	29.2
Recommended float charg	ge voltage(for standby use)	26.8
Recommended max charg	ge current*	150
Allowed max charge curre	ent*	300
Discharge		
Discharging temperature	range	-4F/-20C to 131F/55C
Operating Voltage Range	0	23.2 to 26.8
Recommended max disch	arge current*	300
Max discharge current*		400
Pulse discharge current		3000
Discharge cut-off voltage		NeverDie® Power Reserve @ 24.00
		Low-Voltage Cut-Off @23.2
Mechanical		· · · · · · · · · · · · · · · · · · ·
Dimensions		Length 24.0"
		Width 13.0"
		Height 11.1"
Weight		Approx. 160lbs (72.6kg)
Storage		
Storage Temperature & Humidity Range	< 1 Month	-4~95°F (-20~35°C), 45~75%RH
	< 3 Months	14~86°F (-10~30°C), 45~75%RH
	Recommended storage	59~95°F (15~35°C), 45%RH~75%RH
Long Term Storage	If the battery needs to be stored for > 3 months the voltage should be 13.2V (50%SOC), and stored at the recommended storage specifications shown above. Additionally, the battery needs at least one charge & discharge cycle every six mont	
Self-discharge rate	Residual capacity	≤3% per month; ≤15% per year

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1. LITHIUM BATTERIES ARE NOT DESIGNED FOR CHARGING IN SUB-FREEZING TEMPERATURES. CONTACT LITHIONICS BATTERY® FOR DETAILS ON OUR COLD WEATHER PACKAGE. 2. INSTALLATION: IT IS RECOMMENDED THAT BATTERIES BE INSTALLED CABLE OR TERMINAL SIDE UP.

WARNING

NOTE: CONTACT LITHIONICS BATTERY® FOR A USER INSTALLATION GUIDE & STORAGE PROCEDURES. FOLLOW THE GUIDE TO ENSURE FITNESS OF USE & WARRANTY.





#### MODEL NUMBER: GT48V75A-GC2E-DIN-MODULE

#### EXTERNAL BMS VERSION



BMS SOLD SEPARATELY. SEE BMS DATA SHEET PROVIDED BY LITHIONICS BATTERY®.

Item		Description
Model		GT48V75A-GC2E-DIN-MODULE
Nominal Voltage		48
Nominal Capacity		75
Nominal Watt Hours		3600
Internal Resistance		<300 milliohms
Charge		
Charging temperature rai	nge	32F/0C to 113F/45C
Charge voltage		54.75
Recommended float char	ge voltage(for standby use)	50.25
Recommended max chan	ge current*	37.5
Allowed max charge curr	ent*	75
Discharge		
Discharging temperature	range	-4F/-20C to 131F/55C
Operating Voltage Range	<u>.</u>	43.5 to 50.25
Recommended max disch	narge current*	75
Max discharge current*		112.5
Pulse discharge current		750
Discharge cut-off voltage		NeverDie® Power Reserve @ 45.00 Low-Voltage Cut-Off @43.5
Mechanical		
Dimensions		Length 22.2"
		Width 8.0"
		Height 14.2"
Weight		Approx. 80lbs (36.3kg)
Storage		
Storage Temperature & Humidity Range	< 1 Month	-4~95°F (-20~35°C), 45~75%RH
	< 3 Months	14~86°F (-10~30°C), 45~75%RH
	Recommended storage	59~95°F (15~35°C), 45%RH~75%RH
Long Term Storage	If the battery needs to be stored for > 3 months the voltage should be 13.2 (50%SOC), and stored at the recommended storage specifications shown above. Additionally, the battery needs at least one charge & discharge cycle every six months.	
Self-discharge rate	Residual capacity	≤3% per month; ≤15% per year
j	Reversible capacity	<1.5%per month: <8% per year

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75 AMP HOURS PULSE AMPS:750 (1 SEC) 3600 WATT-HOURS

#### WARNING

1. LITHIUM BATTERIES ARE NOT DESIGNED FOR CHARGING IN SUB-FREEZING TEMPERATURES. CONTACT LITHIONICS BATTERY® FOR DETAILS ON OUR COLD WEATHER PACKAGE. 2. INSTALLATION: IT IS RECOMMENDED THAT BATTERIES BE INSTALLED CABLE OR TERMINAL SIDE UP.

NOTE: CONTACT LITHIONICS BATTERY® FOR A USER INSTALLATION GUIDE & STORAGE PROCEDURES. FOLLOW THE GUIDE TO ENSURE FITNESS OF USE & WARRANTY.





ENERGY



#### MODEL NUMBER: GT48V150A-8D-DIN-MODULE

#### **EXTERNAL BMS** VERSION



**EXTERNAL BMS REQUIRED** 

**BMS SOLD SEPARATELY. SEE BMS** DATA SHEET PROVIDED BY LITHIONICS **BATTERY**®.

Item		Description
Model		GT48V150A-8D-DIN-MODULE
Nominal Voltage		48
Nominal Capacity		150
Nominal Watt Hours		7200
Internal Resistance		<300 milliohms
Charge		
Charging temperature rar	nge	32F/0C to 113F/45C
Charge voltage		54.75
Recommended float charg	ge voltage(for standby use)	50.25
Recommended max charg	je current*	75
Allowed max charge curre	ent*	150
Discharge		
Discharging temperature	range	-4F/-20C to 131F/55C
Operating Voltage Range		43.5 to 50.25
Recommended max disch	arge current*	150
Max discharge current*		225
Pulse discharge current		1500
Discharge cut-off voltage		NeverDie® Power Reserve @ 45.00 Low-Voltage Cut-Off @43.5
Mechanical		
Dimensions		Length 22.95"
		Width 13.08"
		Height 12.04"
Weight		Approx. 148lbs (67.1kg)
Storage		
Storage Temperature & Humidity Range	< 1 Month	-4~95°F (-20~35°C), 45~75%RH
	< 3 Months	14~86°F (-10~30°C), 45~75%RH
	Recommended storage	59~95°F (15~35°C), 45%RH~75%RH
Long Term Storage	If the battery needs to be stored for > 3 months the voltage should be $13.2V$ (50%5OC), and stored at the recommended storage specifications shown above. Additionally, the battery needs at least one charge & discharge cycle every six months.	
Self-discharge rate	Residual capacity	≤3% per month; ≤15% per year
j		









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#### WARNING

1. LITHIUM BATTERIES ARE NOT DESIGNED FOR CHARGING IN SUB-FREEZING TEMPERATURES. CONTACT LITHIONICS BATTERY® FOR DETAILS ON OUR COLD WEATHER PACKAGE. 2. INSTALLATION: IT IS RECOMMENDED THAT BATTERIES BE INSTALLED CABLE OR TERMINAL SIDE UP

NOTE: CONTACT LITHIONICS BATTERY® FOR A USER INSTALLATION GUIDE & STORAGE PROCEDURES. FOLLOW THE GUIDE TO ENSURE FITNESS OF USE & WARRANTY.



#### MODEL NUMBER: GT48V150A-F24-DIN-MODULE

#### EXTERNAL BMS VERSION



#### **EXTERNAL BMS REQUIRED**

BMS SOLD SEPARATELY. SEE BMS DATA SHEET PROVIDED BY LITHIONICS BATTERY®.

Item		Description
Model		GT48V150A-F24-DIN-MODULE
Nominal Voltage		48
Nominal Capacity		150
Nominal Watt Hours		7200
Internal Resistance		<300 milliohms
Charge		
Charging temperature	range	32F/0C to 113F/45C
Charge voltage		54.75
Recommended float duse)	harge voltage(for standby	50.25
Recommended max d	harge current*	75
Allowed max charge of	current*	150
Discharge		
Discharging temperatu	ure range	-4F/-20C to 131F/55C
Operating Voltage Rar	nge	43.5 to 50.25
Recommended max d	ischarge current*	150
Max discharge current	*	225
Pulse discharge current		1500
Discharge cut-off voltage		NeverDie® Power Reserve @ 45.00 Low-Voltage Cut-Off @43.5
Mechanical		
Dimensions		Length 24.0"
		Width 13.0"
		Height 11.1"
Weight		Approx. 155lbs (70.3kg)
Storage		FF
Storage Temperature	< 1 Month	-4~95°F (-20~35°C), 45~75%RH
& Humidity Range	< 3 Months	14~86°F (-10~30°C), 45~75%RH
	Recommended storage	59~95°F (15~35°C), 45%RH~75%RH
Long Term Storage	If the battery needs to be stored for > 3 months the voltage should be 49.5V (50%SOC), and stored at the recommended storage specification shown above. Additionally, the battery needs at least one charge & discharge cycle every six months.	
Self-discharge rate	Residual capacity	≤3% per month; ≤15% per year
-		

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UL1973 tests of maximum charge and discharge current were performed at 25°C/77°F





1. LITHIUM BATTERIES ARE NOT DESIGNED FOR CHARGING IN SUB-FREEZING TEMPERATURES. CONTACT LITHIONICS BATTERY® FOR DETAILS ON OUR COLD WEATHER PACKAGE. 2. INSTALLATION: IT IS RECOMMENDED THAT BATTERIES BE INSTALLED CABLE OR TERMINAL SIDE UP.

WARNING

**48V** GT SERIES

NOTE: CONTACT LITHIONICS BATTERY® FOR A USER INSTALLATION GUIDE & STORAGE PROCEDURES. FOLLOW THE GUIDE TO ENSURE FITNESS OF USE & WARRANTY.

TECH & RV CUSTOM COACH & MARINE

LITHIONICS BATTERY

#### MODEL NUMBER: GT48V150A-F24-DIN-MODULE-UL

#### EXTERNAL BMS VERSION



#### **EXTERNAL BMS REQUIRED**

BMS SOLD SEPARATELY. SEE BMS DATA SHEET PROVIDED BY LITHIONICS BATTERY®.

Model     GT48V150A-F24-DIN-MODULE-UL       Nominal Voltage     48       Nominal Capacity     150       Nominal Watt Hours     7200       Internal Resistance     <300 milliohms       Charge     32F/0C to 113F/45C       Charge voltage     54.75       Recommended float charge voltage(for standby use)     50.25       Recommended max charge current*     75       Allowed max charge current*     150       Discharge     43.5 to 50.25       Operating Voltage Range     43.5 to 50.25       Recommended max discharge current*     150       Discharge current     1500       Dimensions     Length 24.0"       Width 13.0"     Height 11.1."       Weight     Approx. 155lbs (70.3kg)	Item		Description
Nominal Voltage     48       Nominal Capacity     150       Nominal Watt Hours     7200       Internal Resistance     <300 milliohms	Model		GT48V150A-F24-DIN-MODULE-UL
Nominal Capacity     150       Nominal Watt Hours     7200       Internal Resistance     <300 milliohms	Nominal Voltage		48
Nominal Watt Hours     7200       Internal Resistance     <300 milliohms	Nominal Capacity		150
Internal Resistance     < 300 milliohms	Nominal Watt Hours		7200
Charge       32F/0C to 113F/45C         Charge voltage       54.75         Recommended float charge voltage(for standby use)       50.25         Recommended max charge current*       75         Allowed max charge current*       150         Discharge       44F/-20C to 131F/55C         Operating Voltage Range       43.5 to 50.25         Recommended max discharge current*       150         Discharge outrent       1500         Max discharge current       1500         Pulse discharge current       1500         Discharge current       1500 </td <td>Internal Resistance</td> <td></td> <td>&lt;300 milliohms</td>	Internal Resistance		<300 milliohms
Charging temperature range       32F/0C to 113F/45C         Charge voltage       54.75         Recommended float charge voltage(for standby use)       50.25         Recommended max charge current*       75         Allowed max charge current*       150         Discharge       -4F/-20C to 131F/55C         Operating Voltage Range       43.5 to 50.25         Recommended max discharge current*       150         Discharge current       150         Max discharge current*       150         Discharge current       1500         Discharge cut-off voltage       NeverDie® Power Reserve @ 45.00         Length 24.0"       Width 13.0"         Height 11.1"       Weight         Approx.155lbs (70.3kg)       Storage         Storage Temperature       < 1 Month	Charge		
Charge voltage     54.75       Recommended float charge voltage(for standby use)     50.25       Recommended max charge current*     75       Allowed max charge current*     150       Discharge     45.75       Discharge     45.75       Discharge     -4F/-20C to 131F/55C       Operating Voltage Range     43.5 to 50.25       Recommended max discharge current*     150       Max discharge current     150       Discharge current     1500       Discharge current     1600       Distarge current     160	Charging temperature	range	32F/0C to 113F/45C
Recommended float charge voltage(for standby use)       50.25         Recommended max charge current*       75         Allowed max charge current*       150         Discharge       4F/-20C to 131F/55C         Operating Voltage Range       43.5 to 50.25         Recommended max discharge current*       150         Max discharge current*       150         Pulse discharge current*       225         Pulse discharge current*       1500         NeverDie® Power Reserve @ 45.00       Low-Voltage Cut-Off @43.5         Mechanical       NeverDie® Power Reserve @ 45.00         Dimensions       Length 24.0"         Weight       Approx. 155lbs (70.3kg)         Storage       Storage         Storage Temperature & 14 Month       -4~95°F (-20~35°C), 45~75%RH         & Humidity Range       < 1 Month	Charge voltage		54.75
Recommended max charge current*     75       Allowed max charge current*     150       Discharge     44F/-20C to 131F/55C       Operating Voltage Range     43.5 to 50.25       Recommended max discharge current*     150       Max discharge current*     225       Pulse discharge current     1500       Discharge cut-off voltage     NeverDie® Power Reserve @ 45.00 Low-Voltage Cut-Off @43.5       Mechanical     Used to the second secon	Recommended float c use)	harge voltage(for standby	50.25
Allowed max charge current*     150       Discharge       Operating Voltage Range       Allowed max discharge current*       Discharge current       Sto 50.25       Recommended max discharge current*       Discharge current       Discharge current*       Discharge current       Length 24.0"       Width 13.0"       Height 24.0"       Width 13.0"       Height 11.1"       Weight       Approx. 155lbs (70.3kg)       Storage Temperature       < 1 Month	Recommended max d	harge current*	75
Discharge         Discharging temperature range       -4F/-20C to 131F/55C         Operating Voltage Range       43.5 to 50.25         Recommended max discharge current*       150         Max discharge current*       225         Pulse discharge current*       1500         Discharge current*       1500         Discharge current*       1500         Discharge current*       1500         Discharge current       1500         Discharge current       1500         Discharge current       1500         Discharge cut-off voltage       NeverDie® Power Reserve @ 45.00         Low-Voltage Cut-Off @43.5       Mechanical         Dimensions       Length 24.0"         Weight       Approx. 155lbs (70.3kg)         Storage       Storage         Storage Temperature       < 1 Month	Allowed max charge of	current*	150
Discharging temperature range -4F/-20C to 131F/55C Operating Voltage Range 43.5 to 50.25 Recommended max discharge current* 150 Max discharge current* 225 Pulse discharge current 1500 Discharge cut-off voltage Never Reserve @ 45.00 Low-Voltage Cut-Off @43.5 Mechanical Dimensions Length 24.0" Width 13.0" Height 11.1" Weight Approx. 155lbs (70.3kg) Storage Storage Temperature & Humidity Range < 1 Month -4~95°F (-20~35°C), 45~75%RH < 3 Months 14~86°F (-10~30°C), 45~75%RH Kecommended storage 59~95°F (15~35°C). 45%RH~75%RH Long Term Storage If the battery needs to be stored for > 3 months the voltage should 49.5V (50%SOC), and stored at the recommended storage specifica shown above. Additionally, the battery needs at least one charge & discharge cycle every six months. Self-discharge rate.	Discharge		1-0-0
Operating Voltage Range     43.5 to 50.25       Recommended max discharge current*     150       Max discharge current     1500       Dimensions     Length 24.0"       Width 13.0"     Height 11.1"       Weight     Approx. 155lbs (70.3kg)       Storage     Storage       Storage Temperature     < 1 Month	Discharging temperate	ure range	-4F/-20C to 131F/55C
Recommended max discharge current*     150       Max discharge current*     225       Pulse discharge current*     1500       Discharge cut-off voltage     NeverDie® Power Reserve @ 45.00 Low-Voltage Cut-Off @43.5       Mechanical     Length 24.0"       Dimensions     Length 24.0"       Weight     Approx. 155lbs (70.3kg)       Storage     Storage Temperature & Humidity Range       Cong Term Storage     I Month       If the battery needs to be stored for > 3 months the voltage should 49.5V (50%SOC), and stored at the recommended storage specifica shown above. Additionally, the battery needs at least one charge & discharge cycle every six months.       Self-discharge rate.     Residual capacity	Operating Voltage Rar	nge	43.5 to 50.25
Max discharge current*     225       Pulse discharge current     1500       Discharge cut-off voltage     NeverDie® Power Reserve @ 45.00 Low-Voltage Cut-Off @43.5       Mechanical     Length 24.0"       Dimensions     Length 24.0"       Weight     Approx. 155lbs (70.3kg)       Storage     Storage       Storage Temperature & Humidity Range     < 1 Month	Recommended max d	ischarge current*	150
Pulse discharge current     1500       Discharge cut-off voltage     NeverDie® Power Reserve @ 45.00 Low-Voltage Cut-Off @43.5       Mechanical     Length 24.0"       Dimensions     Length 24.0"       Weight     Approx. 155lbs (70.3kg)       Storage     Storage       Storage Temperature & Humidity Range     < 1 Month	Max discharge current	*	225
Discharge cut-off voltage NeverDie® Power Reserve @ 45.00 Low-Voltage Cut-Off @43.5  Mechanical Dimensions Length 24.0" Width 13.0" Height 11.1" Weight Approx. 155lbs (70.3kg)  Storage Storage Temperature & Humidity Range < 1 Month -4~95°F (-20~35°C), 45~75%RH < 3 Months 14~86°F (-10~30°C), 45~75%RH Recommended storage 59~95°F (15~35°C), 45%RH~75%RH Long Term Storage If the battery needs to be stored for > 3 months the voltage should 49.5V (50%SOC), and stored at the recommended storage shown above. Additionally, the battery needs at least one charge & discharge cycle every six months. Self-discharge rate Residual capacity	Pulse discharge current		1500
Mechanical         Length 24.0"           Dimensions         Length 24.0"           Width 13.0"         Height 11.1"           Weight         Approx. 155lbs (70.3kg)           Storage         Storage           Storage Temperature         < 1 Month	Discharge cut-off voltage		NeverDie® Power Reserve @ 45.00 Low-Voltage Cut-Off @43.5
Dimensions       Length 24.0"         Width 13.0"       Width 13.0"         Height 11.1"       Mapprox. 155lbs (70.3kg)         Storage       Storage         Storage Temperature & < 1 Month	Mechanical		
Width 13.0" Height 11.1"           Weight         Approx. 155lbs (70.3kg)           Storage         Storage           Storage Temperature & Humidity Range         < 1 Month	Dimensions		Length 24.0"
Height 11.1"       Height 11.1"       Weight     Approx. 155lbs (70.3kg)       Storage       Storage Temperature & Humidity Range     < 1 Month			Width 13.0"
Weight     Approx. 155lbs (70.3kg)       Storage     Storage Temperature       & Humidity Range     < 1 Month			Height 11.1"
Storage       <1 Month	Weight		Approx $155lbs(70.3kg)$
Storage Temperature       < 1 Month	Storage		Approx. 155103 (70.5kg)
Storage remperature       < 1 Month	Storage Temperature	< 1 Month	-4
Long Term Storage     If the battery needs to be stored for > 3 months the voltage should 49.5V (50%SOC), and stored at the recommended storage shound discharge cycle every six months.       Self-discharge rate     Residual capacity	& Humidity Range		
Long Term Storage       154/95*F (15×35*C), 45%kFr×75%kFr         Long Term Storage       If the battery needs to be stored for > 3 months the voltage should 49.5V (50%SOC), and stored at the recommended storage specifica shown above. Additionally, the battery needs at least one charge & discharge cycle every six months.         Self-discharge rate       Residual capacity       <3% per month: <15% per year			14~86°F (-10~30°C), 45~75%RH
Long Term Storage       If the battery needs to be stored for > 3 months the voltage should 49.5V (50%SOC), and stored at the recommended storage specifica shown above. Additionally, the battery needs at least one charge & discharge cycle every six months.         Self-discharge rate       Residual capacity       <3% per month: <15% per year		Recommended storage	59~95°F (15~55°C), 45%RH~75%RH
Self-discharge rate Residual capacity <3% per month: <15% per year	Long Term Storage	If the battery needs to be stored for > 3 months the voltage should be 49.5V (50%SOC), and stored at the recommended storage specification shown above. Additionally, the battery needs at least one charge & discharge cycle every six months.	
	Self-discharge rate	Residual capacity	≤3% per month; ≤15% per year
Reversible capacity $\leq 1.5\%$ per month: $\leq 8\%$ per vear	-	Reversible capacity	≤1.5%per month; ≤8% per year





WARNING 1. LITHIUM BATTERIES ARE NOT DESIGNED FOR CHARGING IN SUB-

FREEZING TEMPERATURES. CONTACT LITHIONICS BATTERY® FOR DETAILS ON OUR COLD WEATHER PACKAGE. 2. INSTALLATION: IT IS RECOMMENDED THAT BATTERIES BE INSTALLED CABLE OR TERMINAL SIDE UP.

NOTE: CONTACT LITHIONICS BATTERY® FOR A USER INSTALLATION GUIDE & STORAGE PROCEDURES. FOLLOW THE GUIDE TO ENSURE FITNESS OF USE & WARRANTY. **48V** GT SERIES

MASTER RV TECH & RV CUSTOM COACH & MARINE BUMPER TO BUMPER RV, COACH & CHASSIS ELKHART, IN 866-895-4556 WWW.MASTERTECHRV.COM



#### MODEL NUMBER: GT51V75A-GC2E-DIN-MODULE

#### EXTERNAL BMS VERSION



BMS SOLD SEPARATELY. SEE BMS DATA SHEET PROVIDED BY LITHIONICS BATTERY®.

Item		Description
Model		GT51V75A-GC2E-DIN-MODULE
Nominal Voltage		51.2
Nominal Capacity		75
Nominal Watt Hours		3840
Internal Resistance		<300 milliohms
Charge		
Charging temperature rai	nge	32F/0C to 113F/45C
Charge voltage	<u> </u>	58.4
Recommended float chan	ge voltage(for standby use)	53.6
Recommended max charg	ge current*	37.5
Allowed max charge curre	ent*	75
Discharge		
Discharging temperature	range	-4F/-20C to 131F/55C
Operating Voltage Range	F	46.4 to 53.6
Recommended max disch	narge current*	75
Max discharge current*		112.5
Pulse discharge current		750
Discharge cut-off voltage		NeverDie® Power Reserve @ 48.00
Mechanical		Low-voltage cut-on @+0.+
Dimoncions		Length 22.2"
Dimensions		Width 8 0"
		Height 14.2"
\A/_:-!-!		
weight		Арргох. 83105 (37.6кд)
Storage		
Storage Temperature &	< 1 Month	-4~95°F (-20~35°C), 45~75%RH
Humidity Range	< 3 Months	14~86°F (-10~30°C), 45~75%RH
	Recommended storage	59~95°F (15~35°C), 45%RH~75%RH
Long Term Storage	If the battery needs to be stored for > 3 months the voltage should be 13.2 (50%SOC), and stored at the recommended storage specifications shown above. Additionally, the battery needs at least one charge & discharge cycle every six months.	
Self-discharge rate	Residual capacity	≤3% per month; ≤15% per year
	Reversible capacity	<1.5%per month: <8% per year







PULS

ENERGY

#### **75 AMP HOURS**

PULSE AMPS: 750 (1 SEC)

3840 WATT-HOURS

1. LITHIUM BATTERIES ARE NOT DESIGNED FOR CHARGING IN SUB-FREEZING TEMPERATURES. CONTACT LITHIONICS BATTERY® FOR DETAILS ON OUR COLD WEATHER PACKAGE. 2. INSTALLATION: IT IS RECOMMENDED THAT BATTERIES BE INSTALLED CABLE OR TERMINAL SIDE UP.

WARNING

NOTE: CONTACT LITHIONICS BATTERY® FOR A USER INSTALLATION GUIDE & STORAGE PROCEDURES. FOLLOW THE GUIDE TO ENSURE FITNESS OF USE & WARRANTY. 51V GT SERIES





#### MODEL NUMBER: GT51V150A-8D-DIN-MODULE



BMS SOLD SEPARATELY. SEE BMS

DATA SHEET PROVIDED BY LITHIONICS BATTERY®.

Item		Description
Model		GT51V150A-8D-DIN-MODULE
Nominal Voltage		51.2
Nominal Capacity		150
Nominal Watt Hours		7680
Internal Resistance		<300 milliohms
Charge		
Charging temperature	erange	32F/0C to 113F/45C
Charge voltage		58.4
Recommended float ouse)	harge voltage(for standby	53.6
Recommended max of	harge current*	75
Allowed max charge	current*	150
Discharge		
Discharging temperat	ure range	-4F/-20C to 131F/55C
Operating Voltage Ra	nge	46.4 to 53.6
Recommended max d	lischarge current*	150
Max discharge current	t*	225
Pulse discharge curre	nt	1500
Discharge cut-off voltage		NeverDie® Power Reserve @ 48.00 Low-Voltage Cut-Off @46.4
Mechanical		
Dimensions		Length 22.95"
		Width 13.08"
		Height 12.04"
Weight		Approx. 150lbs (68.0kg)
Storage		
Storage Temperature	< 1 Month	-4~95°F (-20~35°C), 45~75%RH
& Humidity Range	< 3 Months	14~86°F (-10~30°C), 45~75%RH
	Recommended storage	59~95°F
Long Term Storage	If the battery needs to be stored for > 3 months the voltage should be 52.8V (50%SOC), and stored at the recommended storage specifications shown above. Additionally, the battery needs at least one charge & discharge or you have a storage symplexity months	
		5
Self-discharge rate	Residual capacity	<3% per month: <15% per vear

UL1973 tests of maximum charge and discharge current were performed at 25°C/77°F







150 AMP HOURSUPULSE AMPS: 1500 (1 SEC)7680 WATT-HOURS

#### 1. LITHIUM BATTERIES ARE NOT DESIGNED FOR CHARGING IN SUB-FREEZING TEMPERATURES. CONTACT LITHIONICS BATTERY® FOR DETAILS ON OUR COLD WEATHER PACKAGE. 2. INSTALLATION: IT IS RECOMMENDED THAT BATTERIES BE INSTALLED CABLE OR TERMINAL SIDE UP.

WARNING

NOTE: CONTACT LITHIONICS BATTERY® FOR A USER INSTALLATION GUIDE & STORAGE PROCEDURES. FOLLOW THE GUIDE TO ENSURE FITNESS OF USE & WARRANTY. 51V GT SERIES



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#### EXTERNAL BMS VERSION

#### MODEL NUMBER: GT51V150A-F24-DIN-MODULE

#### EXTERNAL BMS VERSION



#### **EXTERNAL BMS REQUIRED**

BMS SOLD SEPARATELY. SEE BMS DATA SHEET PROVIDED BY LITHIONICS BATTERY®.

Item		Description
Model		GT51V150A-F24-DIN-MODULE
Nominal Voltage		51.2
Nominal Capacity		150
Nominal Watt Hours		7680
Internal Resistance		<300 milliohms
Charge		
Charging temperature	range	32F/0C to 113F/45C
Charge voltage		57.6
Recommended float cl use)	harge voltage(for standby	53.6
Recommended max cl	narge current*	75
Allowed max charge o	urrent*	150
Discharge		
Discharging temperatu	ure range	-4F/-20C to 131F/55C
Operating Voltage Rar	nge	46.4 to 53.6
Recommended max d	ischarge current*	150
Max discharge current	*	225
Pulse discharge currer	nt	1500
Discharge cut-off voltage		NeverDie® Power Reserve @ 48.00 Low-Voltage Cut-Off @46.4
Mechanical		
Dimensions		Length 24.0"
		Width 13.0"
		Height 11.1"
Weight		Approx. 160lbs (72.6kg)
Storage		
Storage Temperature	< 1 Month	-4~95°F (-20~35°C), 45~75%RH
& Humidity Range	< 3 Months	14~86°F (-10~30°C), 45~75%RH
	Recommended storage	59~95°F
Long Term Storage	If the battery needs to be stored for $> 3$ months the voltage should be 13.2V (50%SOC), and stored at the recommended storage specifications shown above. Additionally, the battery needs at least one charge & discharge cycle every six months.	
Self-discharge rate	Residual capacity	≤3% per month; ≤15% per year
	Reversible capacity	≤1.5%per month; ≤8% per year
* Maximum charging and disc	harging rates apply depending upo	n the ambient temperature and duty cycle of the

UL1973 tests of maximum charge and discharge current were performed at 25°C/77°F





**CUSTOM COACH & MARINE** 

1. LITHIUM BATTERIES ARE NOT DESIGNED FOR CHARGING IN SUB-FREEZING TEMPERATURES. CONTACT LITHIONICS BATTERY® FOR DETAILS ON OUR COLD WEATHER PACKAGE. 2. INSTALLATION: IT IS RECOMMENDED THAT BATTERIES BE INSTALLED CABLE OR TERMINAL SIDE UP.

WARNING

NOTE: CONTACT LITHIONICS BATTERY® FOR A USER INSTALLATION GUIDE & STORAGE PROCEDURES. FOLLOW THE GUIDE TO ENSURE FITNESS OF USE & WARRANTY. 51V GT SERIES

THIONICS BATTERY LITHIUM ION IRON PHOSPHATE BATTERY SYSTEMS

#### MODEL NUMBER: GT51V150A-F24-DIN-MODULE-UL

#### **EXTERNAL BMS** VERSION



#### **EXTERNAL BMS REQUIRED**

**BMS SOLD SEPARATELY. SEE BMS** DATA SHEET PROVIDED BY LITHIONICS **BATTERY®.** 

Item		Description
Model		GT51V150A-F24-DIN-MODULE-UL
Nominal Voltage		51.2
Nominal Capacity		150
Nominal Watt Hours		7680
Internal Resistance		<300 milliohms
Charge		
Charging temperature ra	nge	32F/0C to 113F/45C
Charge voltage		58.4
Recommended float char	ge voltage(for standby use)	53.6
Recommended max char	ge current*	75
Allowed max charge curr	ent*	150
Discharge		
Discharging temperature	range	-4F/-20C to 131F/55C
Operating Voltage Range	2	46.4 to 53.6
Recommended max disch	narge current*	150
Max discharge current*		225
Pulse discharge current		1500
Discharge cut-off voltage		NeverDie® Power Reserve @ 48.00 Low-Voltage Cut-Off @46.4
Mechanical		
Dimensions		Length 24.0"
		Width 13.0"
		Height 11.1"
Weight		Approx. 160lbs (72.6kg)
Storage		
Storage Temperature &	< 1 Month	-4~95°F (-20~35°C), 45~75%RH
Humidity Range	< 3 Months	14~86°F (-10~30°C), 45~75%RH
	Recommended storage	59~95°F (15~35°C), 45%RH~75%RH
Long Term Storage	If the battery needs to be stored for > 3 months the voltage should be 13.2 (50%SOC), and stored at the recommended storage specifications shown above. Additionally, the battery needs at least one charge & discharge cycle every six months.	
Self-discharge rate	Residual capacity	≤3% per month; ≤15% per year
5	Reversible capacity	$\leq$ 1.5%per month: $\leq$ 8% per vear





1. LITHIUM BATTERIES ARE NOT DESIGNED FOR CHARGING IN SUB-PREZING TEMPERATURES. CONTACT LITHIONICS BATTERY® FOR DETAILS ON OUR COLD WEATHER PACKAGE. 2. INSTALLATION: IT IS RECOMMENDED THAT BATTERIES BE INSTALLED CABLE OR TERMINAL SIDE UP

WARNING

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51V GT **SERIES** 





#### MODEL NUMBER: GT76V75A-8D-DIN-MODULE

#### EXTERNAL BMS VERSION



BMS SOLD SEPARATELY. SEE BMS DATA SHEET PROVIDED BY LITHIONICS BATTERY®.

Item		Description
Model		GT76V75A-8D-DIN-MODULE
Nominal Voltage		76.8
Nominal Capacity		75
Nominal Watt Hours		5760
Internal Resistance		<300 milliohms
Charge		
Charging temperature ra	nge	32F/0C to 113F/45C
Charge voltage		87.6
Recommended float char	ge voltage(for standby use)	80.4
Recommended max char	ge current	50
Allowed max charge curr	ent	75
Discharge		
Discharging temperature	range	-4F/-20C to 131F/55C
Output Voltage Range		69.6 - 80.4
Recommended max disch	narge current	75
Max discharge current		150
Pulse discharge current (not suitable for engine cranking)		750
Discharge cut-off voltage		NeverDie® Power Reserve at 72.0V
		Low Voltage Cut-Off at 69.6V
Mechanical		
Dimensions		Length 23.0"
		Width 13.0"
		Height 12.0"
Weight		Approx. 125lbs (56.7kg)
Storage		
Storage Temperature &	< 1 Month	-4~95°F (-20~35°C), 45~75%RH
Humidity Range	< 3 Months	14~86°F (-10~30°C), 45~75%RH
, ,	Recommended storage	59~95°F (15~35°C), 45%RH~75%RH
Long Term Storage	If the battery needs to be stored for > 3 months the voltage should be 13.2V (50%SOC), and stored at the recommended storage specifications shown above. Additionally, the battery needs at least one charge & discharge cycle every six monthe	
Self-discharge rate	Residual capacity	$\leq 3\%$ per month; $\leq 15\%$ per year







75 AMP HOURS PULSE AMPS: 750 (1 SEC) 5760 WATT-HOURS

**CUSTOM COACH & MARINE** 

ENERGY

1. LITHIUM BATTERIES ARE NOT DESIGNED FOR CHARGING IN SUB-FREEZING TEMPERATURES. CONTACT LITHIONICS BATTERY® FOR DETAILS ON OUR COLD WEATHER PACKAGE. 2. INSTALLATION: IT IS RECOMMENDED THAT BATTERIES BE INSTALLED CABLE OR TERMINAL SIDE UP.

WARNING

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#### MODEL NUMBER: GT92.8V75A-F24-DIN-MODULE

#### EXTERNAL BMS VERSION



#### **EXTERNAL BMS REQUIRED**

BMS SOLD SEPARATELY. SEE BMS DATA SHEET PROVIDED BY LITHIONICS BATTERY®.

Item		Description
Model		GT92.8V75A-F24-DIN-MODULE
Nominal Voltage		92.8V
Nominal Capacity		75
Nominal Watt Hours		6960
Internal Resistance		<300 milliohms
Charge		
Charging temperature	range	32F/0C to 113F/45C
Charge voltage		104.4
Recommended float cl use)	harge voltage(for standby	97.2
Recommended max cl	narge current	50
Allowed max charge c	urrent	75
Discharge		
Discharging temperatu	ure range	-4F/-20C to 131F/55C
Output Voltage Range	•	84.1 - 97.2
Recommended max di	ischarge current	75
Max discharge current	:	150
Pulse discharge current (not suitable for engine cranking)		750
Discharge cut-off voltage		NeverDie® Power Reserve at 87.0V Low Voltage Cut-Off at 84.1V
Mechanical		
Dimensions		Length 24.0"
		Width 13.0"
		Height 11.1"
Weight		Approx. 155lbs (70.3kg)
Storage		
Storage Temperature	< 1 Month	-4~95°F (-20~35°C), 45~75%RH
& Humidity Range	< 3 Months	14~86°F (-10~30°C), 45~75%RH
	Recommended storage	59~95°F (15~35°C), 45%RH~75%RH
Long Term Storage	If the battery needs to be stored for > 3 months the voltage should be 95.7V (50%SOC), and stored at the recommended storage specification shown above. Additionally, the battery needs at least one charge & discharge cycle every six months.	
Self-discharge rate	Residual capacity	≤3% per month; ≤15% per year





**CUSTOM COACH & MARINE** 

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WARNING

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#### MODEL NUMBER: GT96V75A-8D-DIN-MODULE

#### EXTERNAL BMS VERSION



BMS SOLD SEPARATELY. SEE BMS DATA SHEET PROVIDED BY LITHIONICS BATTERY®.

Item		Description
Model		GT96V75A-8D-DIN-MODULE
Nominal Voltage		96
Nominal Capacity		75
Nominal Watt Hours		7200
Internal Resistance		<300 milliohms
Charge		
Charging temperature rai	nge	32F/0C to 113F/45C
Charge voltage	<u> </u>	109.5
Recommended float char	ge voltage(for standby use)	100.5
Recommended max charg	ge current	50
Allowed max charge curre	ent	75
Discharge		
Discharging temperature	range	-4F/-20C to 131F/55C
Output Voltage Range		87.0 - 100.5
Recommended max disch	narge current	75
Max discharge current		150
Pulse discharge current (	not suitable for engine cranking)	750
Discharge cut-off voltage		NeverDie     Power Reserve at 90.0V     Low Voltage Cut-Off at 87.0V
Mechanical		
Dimensions		Length 23.0"
		Width 13.0"
		Height 12.0"
Weight		Approx. 145lbs (65.8kg)
Storage		
Storage Temperature &	< 1 Month	-4~95°F (-20~35°C), 45~75%RH
Humidity Range	< 3 Months	14~86°F (-10~30°C), 45~75%RH
	Recommended storage	59~95°F (15~35°C), 45%RH~75%RH
Long Term Storage	If the battery needs to be stored for $> 3$ months the voltage should be 13.2V (50%SOC), and stored at the recommended storage specifications shown above. Additionally, the battery needs at least one charge & discharge cycle every six month	
Self-discharge rate	Residual capacity	≤3% per month; ≤15% per year









ENERGY

**CUSTOM COACH & MARINE** 

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THIONICS BATTERY®

#### MODEL NUMBER: GT96V75A-F24-DIN-MODULE

#### EXTERNAL BMS VERSION



#### **EXTERNAL BMS REQUIRED**

BMS SOLD SEPARATELY. SEE BMS DATA SHEET PROVIDED BY LITHIONICS BATTERY®.

Item		Description
Model		GT96V75A-F24-DIN-MODULE
Nominal Voltage		96
Nominal Capacity		75
Nominal Watt Hours		7200
Internal Resistance		<300 milliohms
Charge		
Charging temperature rar	nge	32F/0C to 113F/45C
Charge voltage		109.5
Recommended float char	ge voltage(for standby use)	100.5
Recommended max charge	ge current	50
Allowed max charge curre	ent	75
Discharge		75
Discharging temperature	range	-4F/-20C to 131F/55C
Output Voltage Range	<u> </u>	87.0 - 100.5
Recommended max disch	arge current	75
Max discharge current		150
Pulse discharge current (i	not suitable for engine cranking)	/50
Discharge cut-off voltage		NeverDie® Power Reserve at 90.0V Low Voltage Cut-Off at 87.0V
Mechanical		
Dimensions		Length 24.0"
		Width 13.0"
		Height 11.1"
Weight		Approx. 155lbs (70.3kg)
Storage		
Storage Temperature &	< 1 Month	-4~95°F (-20~35°C), 45~75%RH
Humidity Range	< 3 Months	14~86°F (-10~30°C), 45~75%RH
	Recommended storage	59~95°F (15~35°C), 45%RH~75%RH
Long Term Storage	If the battery needs to be stored for > 3 months the voltage should be 13.2V (50%SOC), and stored at the recommended storage specifications shown above. Additionally, the battery needs at least one charge & discharge cycle every six month	
Self-discharge rate	Residual capacity	≤3% per month; ≤15% per year





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#### MODEL NUMBER: GT102V75A-8D-DIN-MODULE

#### EXTERNAL BMS VERSION



BMS SOLD SEPARATELY. SEE BMS DATA SHEET PROVIDED BY LITHIONICS BATTERY®.

Item		Description
Model		GT102V75A-8D-DIN-MODULE
Nominal Voltage		102.4
Nominal Capacity		75
Nominal Watt Hours		7680
Internal Resistance		<300 milliohms
Charge		
Charging temperature rar	ige	32F/0C to 113F/45C
Charge voltage	-	116.8
Recommended float charg	ge voltage(for standby use)	107.2
Recommended max charg	je current	50
Allowed max charge curre	ent	75
Discharge		
Discharging temperature	range	-4F/-20C to 131F/55C
Output Voltage Range		92.8 - 107.2
Recommended max disch	arge current	75
Max discharge current		150
Pulse discharge current (r	not suitable for engine cranking)	750
Discharge cut-off voltage		NeverDie® Power Reserve at 96.0V
		Low Voltage Cut-Off at 92.8V
Mechanical		
Dimensions		Length 23.0"
		Width 13.0"
		Height 12.0"
Weight		Approx. 150lbs (68kg)
Storage		· + - · · · · · · · · · · · · · · · · ·
Storage Temperature &	< 1 Month	-4~95°F (-20~35°C), 45~75%RH
Humidity Range	< 3 Months	14~86°E (-10~30°C) 45~75%RH
	Recommended storage	59~95°F (15~35°C), 45%RH~75%RH
Long Term Storage	If the battery needs to be stored for $> 3$ months the voltage should be 13.2V (50%SOC), and stored at the recommended storage specifications shown above. Additionally, the battery needs at least one charge & discharge cycle every six month	
Self-discharge rate	Residual capacity	≤3% per month; ≤15% per year
	Poversible capacity	<1 5%per month: <8% per year







75 AMP HOURS PULSE AMPS: 750 (1 SEC) 7680 WATT-HOURS WARNING

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ENERGY

#### MODEL NUMBER: GT102V75A-F24-DIN-MODULE

#### EXTERNAL BMS VERSION



#### **EXTERNAL BMS REQUIRED**

BMS SOLD SEPARATELY. SEE BMS DATA SHEET PROVIDED BY LITHIONICS BATTERY®.

Item		Description
Model		GT102V75A-F24-DIN-MODULE
Nominal Voltage		102.4
Nominal Capacity		75
Nominal Watt Hours		7680
Internal Resistance		<300 milliohms
Charge		
Charging temperature rai	nge	32F/0C to 113F/45C
Charge voltage		116.8
Recommended float char	ge voltage(for standby use)	107.2
Recommended max charge	ge current	50
Allowed max charge curre	ent	75
Discharge		
Discharging temperature	range	-4F/-20C to 131F/55C
Output Voltage Range		92.8 - 107.2
Recommended max disch	arge current	75
Max discharge current		150
Pulse discharge current (not suitable for engine cranking)		750
Discharge cut-off voltage		NeverDie® Power Reserve at 96.0V
5 5		Low Voltage Cut-Off at 92.8V
Mechanical		
Dimensions		Length 24.0"
		Width 13.0"
		Height 11.1"
Weight		Approx. 160lbs (72.6kg)
Storage		· ++····· - • • • • • • • • • • • • • • • •
Storage Temperature &	< 1 Month	-4~95°F (-20~35°C), 45~75%RH
Humidity Range	< 3 Months	14~86°E (-10~30°C), 45~75%RH
	Recommended storage	59~95°F (15~35°C), 45%RH~75%RH
	If the battery needs to be stored for $> 3$ months the voltage should be 13.2V (50%SOC), and stored at the recommended storage specifications shown above. Additionally, the battery needs at least one charge & discharge cycle every six month	
Long Term Storage	If the battery needs to be store (50%SOC), and stored at the re Additionally, the battery needs	d for > 3 months the voltage should be 13.2V commended storage specifications shown above. at least one charge & discharge cycle every six month
Long Term Storage Self-discharge rate	If the battery needs to be store (50%SOC), and stored at the re Additionally, the battery needs	d for > 3 months the voltage should be 13.2V commended storage specifications shown above. at least one charge & discharge cycle every six month ≤3% per month; ≤15% per year





ENERGY

**CUSTOM COACH & MARINE** 

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#### MODEL NUMBER: GTR12V150A-30H-DIN-MODULE

#### EXTERNAL BMS VERSION



**EXTERNAL BMS REQUIRED** 

BMS SOLD SEPARATELY. SEE BMS DATA SHEET PROVIDED BY LITHIONICS BATTERY®.

Item		Description
Model		GTR12V150A-30H-DIN-MODULE
Nominal Voltage		12.8
Nominal Capacity		150
Nominal Watt Hours		1920
Internal Resistance		<300 milliohms
Charge		
Charging temperature rai	nge	32F/0C to 113F/45C
Charge voltage	<u> </u>	14.6
Recommended float char	ge voltage(for standby use)	13.4
Recommended charge cu	irrent*	75
Allowed max charge curre	ent*	150
Discharge		
Discharging temperature range		-4F/-20C to 131F/55C
Operating Voltage Range		11.6 to 13.4
Recommended discharge	current*	150
Max discharge current*		225
Pulse discharge current		1500
Discharge cut-off voltage		NeverDie® Power Reserve @ 12.00
Mashanian		Low-Voltage Cut-Off @11.60
Dimensione		Longth 14 O
Dimensions		
		Width 7.9"
		Height 13.0"
Weight		Approx. 43lbs (19.5kg)
Storage		
Storage Temperature &	< 1 Month	-4~95°F (-20~35°C), 45~75%RH
Humidity Range	< 3 Months	14~86°F (-10~30°C), 45~75%RH
	Recommended storage	59~95°F (15~35°C), 45%RH~75%RH
Long Term Storage	If the battery needs to be stored for > 3 months the voltage should be 13.2V (50%SOC), and stored at the recommended storage specifications shown above. Additionally, the battery needs at least one charge & discharge cycle every six months.	
Self-discharge rate	Residual capacity	≤3% per month; ≤15% per year
5	Reversible capacity	<1.5%per month: <8% per year

NEVERDIE.





150 CRANKING AMPS PULSE AMPS: 1500 (1 SEC) 1920 WATT-HOURS

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WARNING

INSTALLED CABLE OR TERMINAL SIDE UP. NOTE: CONTACT LITHIONICS BATTERY® FOR A USER INSTALLATION GUIDE & STORAGE PROCEDURES. FOLLOW THE GUIDE TO ENSURE FITNESS OF USE & WARRANTY. 12V GTR SERIES



ENERGY

#### MODEL NUMBER: GTR12V300A-5DM-DIN-MODULE

#### EXTERNAL BMS VERSION



#### **EXTERNAL BMS REQUIRED**

BMS SOLD SEPARATELY. SEE BMS DATA SHEET PROVIDED BY LITHIONICS BATTERY®.

Item		Description
lodel		GTR12V300A-5DM-DIN-MODULE
Nominal Voltage		12.8
Nominal Capacity		300
Nominal Watt Hours		3840
Internal Resistance		<300 milliohms
Charge		
Charging temperature rai	nge	32F/0C to 113F/45C
Charge voltage		14.6
Recommended float char	ge voltage(for standby use)	13.4
Recommended charge cu	irrent*	150
Allowed max charge curre	ent*	300
Discharge		
Discharging temperature	range	-4F/-20C to 131F/55C
Operating Voltage Range		11.6 to 13.4
Recommended discharge	current*	300
Max discharge current*		400
Pulse discharge current		3000
Discharge cut-off voltage		NeverDie® Power Reserve @ 12.00
Mechanical		Low voltage cat on @11.00
Dimensions		Length 24.0"
		Width 8.0"
		Height 13.85"
Weiaht		Approx, 82lbs (37.2kg)
Storage		
Storage Temperature &	< 1 Month	-4~95°F (-20~35°C), 45~75%RH
Humidity Range	< 3 Months	14~86°E (-10~30°C), 45~75%RH
	Recommended storage	59~95°F (15~35°C) 45%RH~75%RH
Long Term Storage	If the battery needs to be stored for > 3 months the voltage should be 13.2V (50%SOC), and stored at the recommended storage specifications shown above. Additionally, the battery needs at least one charge & discharge cycle every six month	
Self-discharge rate	Residual capacity	≤3% per month; ≤15% per year
	Poversible capacity	<1 5% per month: <8% per vear







1.00

4.47

12.00

300 CRANKING AMPS

ENERGY

PULSE AMPS: 3000 (1 SEC)

3840 WATT-HOURS

#### WARNING

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#### MODEL NUMBER: GTR24V150A-5DM-DIN-MODULE



#### **EXTERNAL BMS REQUIRED**

**BMS SOLD SEPARATELY. SEE BMS** DATA SHEET PROVIDED BY LITHIONICS **BATTERY®.** 

Item		Description
Model		GTR24V150A-5DM-DIN-MODULE
Nominal Voltage		25.6
Nominal Capacity		150
Nominal Watt Hours		3840
Internal Resistance		<300 milliohms
Charge		
Charging temperature ra	nge	32F/0C to 113F/45C
Charge voltage		29.2
Recommended float charge voltage(for standby use)		26.8
Recommended max char	ge current*	75
Allowed max charge current*		150
Discharge		
Discharging temperature range		-4F/-20C to 131F/55C
Operating Voltage Range		23.2 to 26.8
Recommended max discharge current*		150
Max discharge current*		225
Pulse discharge current		1500
Discharge cut-off voltage		NeverDie® Power Reserve @ 24.00 Low-Voltage Cut-Off @23.2
Mechanical		
Dimensions		Length 24.0"
		Width 8.0"
		Height 13.85"
Weight		Approx. 82lbs (37.2kg)
Storage		
Storage Temperature &	< 1 Month	-4~95°F (-20~35°C), 45~75%RH
Humidity Range	< 3 Months	14~86°F (-10~30°C), 45~75%RH
	Recommended storage	59~95°F (15~35°C), 45%RH~75%RH
Long Term Storage	If the battery needs to be stored for > 3 months the voltage should be 13.2V (50%SOC), and stored at the recommended storage specifications shown above. Additionally, the battery needs at least one charge & discharge cycle every six months.	
Self-discharge rate	Residual capacity	≤3% per month; ≤15% per year
<b>2</b>	Reversible capacity	≤1.5%per month; ≤8% per year

12.00 1.00 13.84 13.55 24.04 Ξ 8.02 WARNING

**150 AMP HOURS** PULSE AMPS: 1500 (1 SEC)

3840 WATT-HOURS

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#### **EXTERNAL BMS** VERSION

GTR

**SERIES** 

#### MODEL NUMBER: GTX12V275A-30H-DIN-MODULE

#### EXTERNAL BMS VERSION



**EXTERNAL BMS REQUIRED** 

BMS SOLD SEPARATELY. SEE BMS DATA SHEET PROVIDED BY LITHIONICS BATTERY®.

Item		Description
Model		GTX12V275A-30H-DIN-MODULE
Nominal Voltage		12.8
Nominal Capacity		275
Nominal Watt Hours		3520
Internal Resistance		<300 milliohms
Charge		
Charging temperature range		32F/0C to 131F/55C
Charge voltage		14.6
Recommended float d use)	harge voltage(for standby	13.4
Recommended max cl	harge current*	137.5
Allowed max charge current*		275
Discharge		
Discharging temperate	ure range	-4F/-20C to 131F/55C
Operating Voltage Range		11.6 to 13.4
Recommended max discharge current*		200
Max discharge current*		275
Pulse discharge current		2750
Discharge cut-on voltage		NeverDie® Power Reserve @ 12.00
Mechanical		Low-voltage cut-on @11.00
Dimensions		Length 14.9"
		Width 7.9"
		Height 13.0"
Woight		Approx 43lbs (19.5kg)
Storage		http://www.iolog(1910.kg)
Storage Temperature	< 1 Month	-4~95°E (-20~35°C), 45~75%BH
& Humidity Range	< 3 Months	14~86°F (-10~30°C) 45~75%RH
g-	Recommended storage	59~95°F (15~35°C), 45%RH~75%RH
Long Term Storage	If the battery needs to be stored for $> 3$ months the voltage should be	
	13.2V (50%SOC), and stored at the recommended storage specification shown above. Additionally, the battery needs at least one charge & discharge orde every six months	
Self-discharge rate	Residual capacity	<3% per month: <15% per vear
Sen alsenarge rate	Reversible capacity	<1 5% per month: <8% per year
		21.5 /opci monut, 20 /o pci ycu







275 AN PULSE AMP

ENERGY

275 AMP HOURS

PULSE AMPS: 2750 (1 SEC)

3520 WATT-HOURS

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TECH & RV CUSTOM COACH & MARINE



#### MODEL NUMBER: GTX12V320A-E2107-DIN-12HK

#### Designed with Internal Heater Kit, Aluminum Alloy Enclosure

#### EXTERNAL BMS VERSION



#### **EXTERNAL BMS REQUIRED**

BMS SOLD SEPARATELY. SEE BMS DATA SHEET PROVIDED BY LITHIONICS BATTERY®.

Item		Description
Model		GTX12V320A-E2107-DIN-12HK
Nominal Voltage		12.8V
Nominal Capacity		320Ah
Nominal Watt Hours		4096Wh
Internal Resistance		<3mΩ
Charge		
Charging temperature range		32F/0C to 131F/55C
Charge voltage		14.4V
Recommended float charge voltage(for standby use)		13.4-13.6V
Recommended charge current*		150A
Maximum charge current*		250A
Discharge		
Discharging temperature range		-4F/-20C to 131F/55C
Operating Voltage Range		11.6-13.4V
Recommended discharge current*		150A
Maximum discharge current*		250A
Pulse discharge current (1 second)		1200A
Discharge cut-off voltage		NeverDie® Power Reserve @ 12.0V
		Low-Voltage Cut-Off @11.6V
Mechanical		
Dimensions		Length 20.3"
		Width 6.6"
		Height 10.0"
Mounting Orientation		Upright position only
Weight		Approx. 68lbs (30.8kg)
Storage		
Storage Temperature &	< 1 Month	-4~95°F (-20~35°C), 45~75%RH
Humidity Range	< 3 Months	14~86°F (-10~30°C), 45~75%RH
	Recommended storage	59~95°F (15~35°C), 45%RH~75%RH
Long Term Storage	If the battery needs to be stored for > 3 months the voltage should be 13.2V (50%SOC), and stored at the recommended storage specifications shown above. Additionally, the battery needs at least one charge & discharge cvcle every six months.	
Self-discharge rate	Residual capacity	≤3% per month; ≤15% per year
	Reversible capacity	≤1.5%per month; ≤8% per vear
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320 AMP HOURS PULSE AMPS: 1200 (1 SEC)

4096 WATT-HOURS

#### TECH & RV CUSTOM COACH & MARINE

ENERGY

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#### MODEL NUMBER: GTX12V555A-F27-DIN-MODULE

#### EXTERNAL BMS VERSION



EXTERNAL BMS REQUIRED

BMS SOLD SEPARATELY. SEE BMS DATA SHEET PROVIDED BY LITHIONICS BATTERY®.

item		Description
1odel		GTX12V555A-F27-DIN-MODULE
Nominal Voltage		12.8V
Nominal Capacity		555Ah
Nominal Watt Hours		7,100Wh
Internal Resistance		<3mΩ
Charge		
Charging temperature	range	32F/0C to 131F/55C
Charge voltage		14.6V
Recommended float c use)	harge voltage(for standby	13.4V
Recommended charge	e current	285A
Allowed max charge current*		400A
Discharge		-
Discharging temperate	ure range	-4F/-20C to 131F/55C
Operating Voltage Range		11.6V to 13.4V
Recommended discharge current*		285A
Max discharge current*		400A
Pulse discharge current		1,100A
Discharge cut-off voltage		NeverDie® Power Reserve @ 12.0V
Mechanical		Low-voltage Cut-Off @11.6v
Dimensions		Length 27.0"
Dimensions		
		Height 10.2
Weight		Approx. 119lbs (54kg)
Storage		
Storage Temperature & Humidity Range	< 1 Month	-4~95°F (-20~35°C), 45~75%RH
	< 3 Months	14~86°F (-10~30°C), 45~75%RH
	Recommended storage	_59~95°F (15~35°C), 45%RH~75%RH
Long Term Storage	If the battery needs to be stored for > 3 months the voltage should be 13.2V (50%SOC), and stored at the recommended storage specification shown above. Additionally, the battery needs at least one charge & discharge cycle every six months.	
Self-discharge rate	Residual capacity	≤3% per month; ≤15% per year
	Reversible capacity	≤1.5%per month; ≤8% per year
* Maximum charging and dise UL1973 tests of maximum cha	charging rates apply depending upo rge and discharge current were perfo	n the ambient temperature and duty cycle of the system. ormed at 25°C/77°F





ENERGY

**CUSTOM COACH & MARINE** 

#### WARNING

1. LITHIUM BATTERIES ARE NOT DESIGNED FOR CHARGING IN SUB-FREEZING TEMPERATURES. CONTACT LITHIONICS BATTERY® FOR DETAILS ON OUR COLD WEATHER PACKAGE. 2. INSTALLATION: IT IS RECOMMENDED THAT BATTERIES BE INSTALLED CABLE OR TERMINAL SIDE UP. 12V GTX SERIES

NOTE: CONTACT LITHIONICS BATTERY® FOR A USER INSTALLATION GUIDE & STORAGE PROCEDURES. FOLLOW THE GUIDE TO ENSURE FITNESS OF USE & WARRANTY.

#### MODEL NUMBER: GTX12V630A-F24-DIN-MODULE-UL



#### **EXTERNAL BMS REQUIRED**

BMS SOLD SEPARATELY. SEE BMS DATA SHEET PROVIDED BY LITHIONICS BATTERY®.

Item		Description
Model		GTX12V630A-F24-DIN-MODULE-UL
Nominal Voltage		12.8
Nominal Capacity		630
Nominal Watt Hours		8064
Internal Resistance		<300 milliohms
Charge		
Charging temperature	range	32F/0C to 131F/55C
Charge voltage		14.4
Recommended float c use)	harge voltage(for standby	13.4
Recommended max c	harge current*	200
Allowed max charge current*		300
Discharge		
Discharging temperature range		-4F/-20C to 131F/55C
Operating Voltage Range		11.6 to 13.4
Recommended max discharge current*		300
Max discharge current*		350
Pulse discharge current		2000
Discharge cut-off volta	age	NeverDie® Power Reserve @ 12.00
Mechanical		LOW-VOILage Cut-OII @11.60
Dimensions		Length 24.0"
		Width 13.0"
Weight		Approx. 144lbs (65.3kg)
Storage		
Storage Temperature	< 1 Month	-4~95°F (-20~35°C), 45~75%RH
& Humidity Range	< 3 Months	14~86°F (-10~30°C), 45~75%RH
	Recommended storage	59~95°F (15~35°C), 45%RH~75%RH
Long Term Storage	If the battery needs to be stored for > 3 months the voltage should be 13.2V (50%SOC), and stored at the recommended storage specification shown above. Additionally, the battery needs at least one charge & discharge cycle every six months.	
Self-discharge rate	Residual capacity	≤3% per month; ≤15% per year
	Reversible capacity	≤1.5%per month; ≤8% per year
* Maximum charging and dis	charging rates apply depending upo	n the ambient temperature and duty cycle of the system.





**CUSTOM COACH & MARINE** 

ENERGY





#### WARNING

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NOTE: CONTACT LITHIONICS BATTERY® FOR A USER INSTALLATION GUIDE & STORAGE PROCEDURES. FOLLOW THE GUIDE TO ENSURE FITNESS OF USE & WARRANTY.



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#### EXTERNAL BMS VERSION

### THIONICS BATTERY LITHIUM-ION IRON PHOSPHATE BATTERY SYSTEMS

#### MODEL NUMBER: GTX12V1050A-F41-DIN-MODULE-UL

#### **EXTERNAL BMS** VERSION



**BMS SOLD SEPARATELY. SEE BMS** DATA SHEET PROVIDED BY LITHIONICS **BATTERY®.** 

Item		Description
Model		GTX12V1050A-F41-DIN-MODULE-UL
Nominal Voltage		12.8
Nominal Capacity		1050
Nominal Watt Hours		13440
Internal Resistance		<300 milliohms
Charge		
Charging temperature	range	32F/0C to 131F/55C
Charge voltage		14.4
Recommended float d use)	harge voltage(for standby	13.4
Recommended max cl	harge current*	200
Allowed max charge current*		300
Discharge		
Discharging temperate	ure range	-4F/-20C to 131F/55C
Operating Voltage Range		11.6 to 13.4
Recommended max discharge current*		300
Max discharge current*		350
Pulse discharge current		2000
Discharge cut-off voltage		NeverDie® Power Reserve @ 12.00
Mechanical		Low-voltage Cut-On @11.60
Dimensions		Length 41"
		Width 13 37"
		Height 12.85"
Woight		Approx 259lbs (117kg)
Storage		Approx. 235103 (117kg)
Storage Tomporature	< 1 Month	-4a,05°E (-20a,35°C) 45a,75% PH
& Humidity Range		
	< 3 Months Recommended storage	14~80°F (-10~30°C), 45~75%KH 59~95°F (15~35°C) 45%RH~75%RH
Long Term Storage	If the battery needs to be stored for > 3 months the voltage should be 13.2V (50%SOC), and stored at the recommended storage specification shown above. Additionally, the battery needs at least one charge & discharge cycle every six months.	
Self-discharge rate	Residual capacity	≤3% per month; ≤15% per year
5	Reversible capacity	≤1.5%per month; ≤8% per year
* Maximum charging and dise UL1973 tests of maximum cha	charging rates apply depending upo rge and discharge current were perfo	n the ambient temperature and duty cycle of the system. ormed at 25°C/77°F







#### **1050 AMP HOURS**

PULSE AMPS: 2000 (1 SEC)

**13440 WATT-HOURS** 

1. LITHIUM BATTERIES ARE NOT DESIGNED FOR CHARGING IN SUB-FREEZING TEMPERATURES. CONTACT LITHIONICS BATTERY® FOR DETAILS ON OUR COLD WEATHER PACKAGE. 2. INSTALLATION: IT IS RECOMMENDED THAT BATTERIES BE INSTALLED CABLE OR TERMINAL SIDE UP

WARNING

NOTE: CONTACT LITHIONICS BATTERY® FOR A USER INSTALLATION GUIDE & STORAGE PROCEDURES. FOLLOW THE GUIDE TO ENSURE FITNESS OF USE & WARRANTY.





ENERGY

#### MODEL NUMBER: GTX12V1260A-F41-DIN-MODULE-UL



#### **EXTERNAL BMS REQUIRED**

BMS SOLD SEPARATELY. SEE BMS DATA SHEET PROVIDED BY LITHIONICS BATTERY®.

item		Description
Model		GTX12V1260A-F41-DIN-MODULE-UL
Nominal Voltage		12.8
Nominal Capacity		1260
Nominal Watt Hours		16128
Internal Resistance		<300 milliohms
Charge		
Charging temperature	range	32F/0C to 131F/55C
Charge voltage		14.4
Recommended float c use)	harge voltage(for standby	13.4
Recommended max cl	harge current*	200
Allowed max charge of	current*	300
Discharge		
Discharging temperate	ure range	-4F/-20C to 131F/55C
Operating Voltage Range		11.6 to 13.4
Recommended max discharge current*		300
Max discharge current*		350
Pulse discharge current		2000
Discharge cut-off voltage		NeverDie® Power Reserve @ 12.00
Mechanical		Low-voltage Cut-On @11.60
Dimensions		Length 41"
		Width 13 37"
		Height 12.85"
Mainh		Approx 205lbs (134kg)
Storago		Applox: 235105 (154kg)
Storage Tomporature	< 1 Month	4-0595 ( 20-259C) 45-750( DH
8 Humidity Pange		-4~95°F (-20~35°C), 45~75%RH
a numbuly kange	< 3 MONTINS	14~86°F (-10~30°C), 45~75%RH
Long Term Storage	If the battery needs to be stored for > 3 months the voltage should be 13.2V (50%SOC), and stored at the recommended storage specification shown above. Additionally, the battery needs at least one charge & discharge cycle every six months.	
Self-discharge rate	Residual capacity	≤3% per month; ≤15% per year
	Reversible capacity	≤1.5%per month; ≤8% per year
* Maximum charging and diso UL1973 tests of maximum cha	charging rates apply depending upo rge and discharge current were perfo	n the ambient temperature and duty cycle of the system. ormed at 25°C/77°F







1260 AMP HOURS

ENERGY

PULSE AMPS: 2000 (1 SEC)

16128 WATT-HOURS

1. LITHIUM BATTERIES ARE NOT DESIGNED FOR CHARGING IN SUB-FREEZING TEMPERATURES. CONTACT LITHIONICS BATTERY® FOR DETAILS ON OUR COLD WEATHER PACKAGE. 2. INSTALLATION: IT IS RECOMMENDED THAT BATTERIES BE INSTALLED CABLE OR TERMINAL SIDE UP.

WARNING

NOTE: CONTACT LITHIONICS BATTERY® FOR A USER INSTALLATION GUIDE & STORAGE PROCEDURES. FOLLOW THE GUIDE TO ENSURE FITNESS OF USE & WARRANTY.





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#### EXTERNAL BMS VERSION

### THIONICS BATTERY LITHIUM ION IRON PHOSPHATE BATTERY SYSTEMS

#### MODEL NUMBER: GTX24V275A-F27-DIN-MODULE

#### **EXTERNAL BMS** VERSION





#### **EXTERNAL BMS REQUIRED**

**BMS SOLD SEPARATELY. SEE BMS** DATA SHEET PROVIDED BY LITHIONICS **BATTERY®.** 

Model Nominal Voltage Nominal Capacity Nominal Capacity Nominal Watt Hours Internal Resistance Charge Charging temperature rar Charge voltage Recommended float charg use) Recommended charge cur Allowed max charge curren Discharge Discharging temperature Operating Voltage Range Recommended discharge Max discharge current* Pulse discharge curt-off voltage	inge rge voltage(for standby urrent rent* e range e	GTX24V275A-F27-DIN-MODULE 25.6V 275Ah 7,100Wh <3mΩ 32F/OC to 131F/55C 29.2V 26.8V 142.5A 200A -4F/-20C to 131F/55C
Nominal Voltage Nominal Capacity Nominal Watt Hours Internal Resistance Charge Charging temperature rar Charge voltage Recommended float charge use) Recommended charge cur Allowed max charge curren Discharging temperature Operating Voltage Range Max discharge current* Pulse discharge current*	nge rge voltage(for standby urrent rent* e range	25.6V 275Ah 7,100Wh <3mΩ 32F/0C to 131F/55C 29.2V 26.8V 142.5A 200A -4F/-20C to 131F/55C
Nominal Capacity Nominal Watt Hours Internal Resistance Charge Charge temperature rar Charge voltage Recommended float charg use) Recommended charge cur Allowed max charge curren Discharge Discharging temperature Operating Voltage Range Recommended discharge Max discharge current* Pulse discharge current Discharge cut-off voltage	nge rge voltage(for standby urrent rent* e range	275Ah 7,100Wh <3mΩ 32F/OC to 131F/55C 29.2V 26.8V 142.5A 200A -4F/-20C to 131F/55C
Nominal Watt Hours Internal Resistance Charge Charging temperature rar Charge voltage Recommended float charg use) Recommended charge cur Allowed max charge curren Discharge Discharging temperature Operating Voltage Range Recommended discharge Max discharge current* Pulse discharge current Discharge cut-off voltage	inge rge voltage(for standby urrent rent* e range	7,100Wh <3mΩ 32F/OC to 131F/55C 29.2V 26.8V 142.5A 200A -4F/-20C to 131F/55C
Internal Resistance Charge Charging temperature rar Charge voltage Recommended float charg use) Recommended charge cur Allowed max charge curren Discharge Discharging temperature Operating Voltage Range Recommended discharge Max discharge current* Pulse discharge current*	inge rge voltage(for standby urrent rent* e range e	<3mΩ           32F/OC to 131F/55C           29.2V           26.8V           142.5A           200A           -4F/-20C to 131F/55C
Charge Charging temperature rar Charge voltage Recommended float charg use) Recommended charge cur Allowed max charge curren Discharging temperature Operating Voltage Range Recommended discharge Max discharge current* Pulse discharge current*	inge rge voltage(for standby urrent rent* e range e	32F/0C to 131F/55C 29.2V 26.8V 142.5A 200A -4F/-20C to 131F/55C
Charging temperature rar Charge voltage Recommended float charge use) Recommended charge cur Allowed max charge curren Discharge Discharging temperature Operating Voltage Range Recommended discharge Max discharge current* Pulse discharge current Discharge cut-off voltage	nge rge voltage(for standby urrent rent* e range e	32F/0C to 131F/55C 29.2V 26.8V 142.5A 200A -4F/-20C to 131F/55C
Charge voltage Recommended float charge use) Allowed max charge curve <b>Discharge</b> Discharging temperature Operating Voltage Range Recommended discharge Max discharge current* Pulse discharge current*	rge voltage(for standby urrent rent*	29.2V 26.8V 142.5A 200A -4F/-20C to 131F/55C
Recommended float charg use) Recommended charge cu Allowed max charge curre <b>Discharge</b> Discharging temperature Operating Voltage Range Recommended discharge Max discharge current* Pulse discharge current Discharge cut-off voltage	rge voltage(for standby urrent rent*	26.8V 142.5A 200A -4F/-20C to 131F/55C
Recommended charge cu Allowed max charge curre Discharge Discharging temperature Operating Voltage Range Recommended discharge Max discharge current* Pulse discharge current Discharge cut-off voltage	urrent rent* : range :	142.5A 200A -4F/-20C to 131F/55C
Allowed max charge curror <b>Discharge</b> Discharging temperature Operating Voltage Range Recommended discharge Max discharge current* Pulse discharge current Discharge curt-off voltage	rent* e range	200A -4F/-20C to 131F/55C
Discharge Discharging temperature Operating Voltage Range Recommended discharge Max discharge current* Pulse discharge current Discharge cut-off voltage	e range	-4F/-20C to 131F/55C
Discharging temperature Operating Voltage Range Recommended discharge Max discharge current* Pulse discharge current Discharge cut-off voltage	e range e	-4F/-20C to 131F/55C
Operating Voltage Range Recommended discharge Max discharge current* Pulse discharge current Discharge cut-off voltage	e	
Recommended discharge Max discharge current* Pulse discharge current Discharge cut-off voltage		23.2V to 26.8V
Max discharge current* Pulse discharge current Discharge cut-off voltage	e current	200A
Pulse discharge current Discharge cut-off voltage		200A
Discharge cut-off voltage		550A
Discharge cut-off voltage		NeverDie® Power Reserve @ 24.0V
Mechanical		Low-Voltage Cut-Off @23.2V
Dimensione		Longth 27.0"
Dimensions		
		width 9.0"
		Height 10.2"
Weight		Approx. 122lbs (55.5kg)
Storage		
Storage Temperature <	1 Month	-4~95°F (-20~35°C), 45~75%RH
& Humidity Range	3 Months	14~86°F (-10~30°C), 45~75%RH
Re	ecommended storage	59~95°F (15~35°C), 45%RH~75%RH
Long Term Storage If 1 26 sho dis	If the battery needs to be stored for > 3 months the voltage should be 26.4V (50%SOC), and stored at the recommended storage specification shown above. Additionally, the battery needs at least one charge & discharge cycle every six months.	
Self-discharge rate Re	esidual capacity	≤3% per month; ≤15% per year
Re	eversible capacity	≤1.5%per month; ≤8% per year





#### WARNING

1. LITHIUM BATTERIES ARE NOT DESIGNED FOR CHARGING IN SUB-PREZING TEMPERATURES. CONTACT LITHIONICS BATTERY® FOR DETAILS ON OUR COLD WEATHER PACKAGE. 2. INSTALLATION: IT IS RECOMMENDED THAT BATTERIES BE INSTALLED CABLE OR TERMINAL SIDE UP

4 GTX **SERIES** 

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#### MODEL NUMBER: GTX24V315A-F24-DIN-MODULE-UL

#### EXTERNAL BMS VERSION



#### **EXTERNAL BMS REQUIRED**

BMS SOLD SEPARATELY. SEE BMS DATA SHEET PROVIDED BY LITHIONICS BATTERY®.

Item		Description
Model		GTX24V315A-F24-DIN-MODULE-UL
Nominal Voltage		25.6
Nominal Capacity		315
Nominal Watt Hours		8064
Internal Resistance		<300 milliohms
Charge		
Charging temperature	range	32F/0C to 131F/55C
Charge voltage		28.8
Recommended float cl use)	harge voltage(for standby	26.8
Recommended max d	harge current*	150
Allowed max charge o	current*	300
Discharge		
Discharging temperature range		-4F/-20C to 131F/55C
Operating Voltage Range		23.2 to 26.8
Recommended max discharge current*		300
Max discharge current*		400
Pulse discharge current		6300
Discharge cut-off volta	age	NeverDie® Power Reserve @ 24.00
Mechanical		Low-voltage Cut-Off @23.20
Dimensione		Langth 24.0"
Dimensions		
		Height 11.1"
Weight		Approx. 144lbs (65.3kg)
Storage		
Storage Temperature & Humidity Range	< 1 Month	-4~95°F (-20~35°C), 45~75%RH
	< 3 Months	14~86°F (-10~30°C), 45~75%RH
	Recommended storage	59~95°F (15~35°C), 45%RH~75%RH
Long Term Storage	If the battery needs to be stored for > 3 months the voltage should be 13.2V (50%SOC), and stored at the recommended storage specification shown above. Additionally, the battery needs at least one charge & discharge cycle every six months.	
Self-discharge rate	Residual capacity	≤3% per month; ≤15% per year
<b>J 1 1 1</b>	Reversible canacity	<1.5%per month: <8% per year



**CUSTOM COACH & MARINE** 





#### WARNING

1. LITHIUM BATTERIES ARE NOT DESIGNED FOR CHARGING IN SUB-FREEZING TEMPERATURES. CONTACT LITHIONICS BATTERY® FOR DETAILS ON OUR COLD WEATHER PACKAGE. 2. INSTALLATION: IT IS RECOMMENDED THAT BATTERIES BE INSTALLED CABLE OR TERMINAL SIDE UP. 24V GTX SERIES

NOTE: CONTACT LITHIONICS BATTERY® FOR A USER INSTALLATION GUIDE & STORAGE PROCEDURES. FOLLOW THE GUIDE TO ENSURE FITNESS OF USE & WARRANTY.



#### MODEL NUMBER: GTX24V630A-F41-DIN-MODULE

#### EXTERNAL BMS VERSION



#### **EXTERNAL BMS REQUIRED**

BMS SOLD SEPARATELY. SEE BMS DATA SHEET PROVIDED BY LITHIONICS BATTERY®.

Item		Description
Model		GTX24V630A-F4113-DIN-MODULE
Nominal Voltage		25.6
Nominal Capacity		630
Nominal Watt Hours		16128
Internal Resistance		<300 milliohms
Charge		
Charging temperature	range	32F/0C to 131F/55C
Charge voltage		29.2
Recommended float charge voltage(for standby use)		26.8
Recommended charge	e current*	150
Allowed max charge of	current*	300
Discharge		
Discharging temperati	ure range	-4F/-20C to 131F/55C
Operating Voltage Range		23.2 to 26.8
Recommended discharge current*		150
Max discharge current*		300
Pulse discharge current		3150
Discharge cut-off volta	age	NeverDie® Power Reserve @ 24.00
Mochanical		Low-voltage Cut-Off @23.2
Dimensions		Length 41"
		Width 12.27"
		Widul 15.57
		Height 12.85
Weight		Approx. 302lbs (137kg)
Storage		
Storage Temperature & Humidity Range	< 1 Month	-4~95°F (-20~35°C), 45~75%RH
	< 3 Months	14~86°F (-10~30°C), 45~75%RH
Laws Tama Chaman	Recommended storage	59~95°F (15~35°C), 45%RH~75%RH
Long Ferm Storage	If the battery needs to be stored for > 3 months the voltage should be 26.4V (50%SOC), and stored at the recommended storage specification shown above. Additionally, the battery needs at least one charge & discharge cycle every six months.	
Self-discharge rate	Residual capacity	≤3% per month; ≤15% per year
	Reversible capacity	<1.5%per month: <8% per year







630 AMP HOURS

ENERGY

**CUSTOM COACH & MARINE** 

PULSE AMPS: 3150 (1 SEC)

16128 WATT-HOURS

#### 1. LITHIUM BATTERIES ARE NOT DESIGNED FOR CHARGING IN SUB-FREEZING TEMPERATURES. CONTACT LITHIONICS BATTERY® FOR DETAILS ON OUR COLD WEATHER PACKAGE. 2. INSTALLATION: IT IS RECOMMENDED THAT BATTERIES BE INSTALLED CABLE OR TERMINAL SIDE UP.

WARNING

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NOTE: CONTACT LITHIONICS BATTERY® FOR A USER INSTALLATION GUIDE & STORAGE PROCEDURES. FOLLOW THE GUIDE TO ENSURE FITNESS OF USE & WARRANTY.



#### MODEL NUMBER: GTX24V630A-F41-DIN-MODULE-UL

#### EXTERNAL BMS VERSION



#### **EXTERNAL BMS REQUIRED**

BMS SOLD SEPARATELY. SEE BMS DATA SHEET PROVIDED BY LITHIONICS BATTERY®.

tem		Description
Model		GTX24V630A-F4113-DIN-MODULE-UL
Nominal Voltage		25.6
Nominal Capacity		630
Nominal Watt Hours		16128
Internal Resistance		<300 milliohms
Charge		
Charging temperature	range	32F/0C to 131F/55C
Charge voltage		29.2
Recommended float cl use)	harge voltage(for standby	26.8
Recommended charge	e current*	150
Allowed max charge current*		300
Discharge		
Discharging temperati	ure range	-4F/-20C to 131F/55C
Operating Voltage Range		23.2 to 26.8
Recommended discharge current*		150
Max discharge current*		300
Pulse discharge current		3150
Discharge cut-off voltage		NeverDie® Power Reserve @ 24.00
Mechanical		Low-voltage Cut-Off @23.2
Dimensions		Length 41"
Dimensions		Width 12.27"
		Widul 13.37
		Approx 202lbs (127ks)
Weight		Approx. 302lbs (137kg)
Storage		
Storage Temperature & Humidity Range	< 1 Month	-4~95°F (-20~35°C), 45~75%RH
	< 3 Months	14~86°F (-10~30°C), 45~75%RH
	Recommended storage	59~95°F (15~35°C), 45%RH~/5%RH
Long Term Storage	If the battery needs to be stored for > 3 months the voltage should b 26.4V (50%SOC), and stored at the recommended storage specification shown above. Additionally, the battery needs at least one charge & discharge cycle every six months.	
Self-discharge rate	Residual capacity	≤3% per month: ≤15% per year
	Reversible capacity	<1.5%per month: <8% per year
	·····	







630 AMP HOURS

ENERGY

**CUSTOM COACH & MARINE** 

U SE AMDS: 2150 (1 SEC

PULSE AMPS: 3150 (1 SEC)

16128 WATT-HOURS

1. LITHIUM BATTERIES ARE NOT DESIGNED FOR CHARGING IN SUB-FREEZING TEMPERATURES. CONTACT LITHIONICS BATTERY® FOR DETAILS ON OUR COLD WEATHER PACKAGE. 2. INSTALLATION: IT IS RECOMMENDED THAT BATTERIES BE INSTALLED CABLE OR TERMINAL SIDE UP.

WARNING

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#### MODEL NUMBER: GTX51V110A-F27-DIN-MODULE

#### EXTERNAL BMS VERSION





#### **EXTERNAL BMS REQUIRED**

BMS SOLD SEPARATELY. SEE BMS DATA SHEET PROVIDED BY LITHIONICS BATTERY®.

**110 AMP HOURS** 

PULSE AMPS: 1000 (1 SEC)

5632 WATT-HOURS

Model		GTX51V110A-F27-DIN-MODULE
Nominal Voltage		51.2
Nominal Capacity		110
Nominal Watt Hours		5632
Internal Resistance		<300 milliohms
Charge		
Charging temperature	range	32F/0C to 131F/55C
Charge voltage		57.6
Recommended float chuse)	narge voltage(for standby	53.6
Recommended charge	current*	50
Allowed max charge c	urrent*	100
Discharge		100
Discharging temperatu	ire range	-4F/-20C to 131F/55C
Operating Voltage Range		46.4 to 53.6
Recommended discharge current*		50
Max discharge current*		200
Pulse discharge current		1000
Discharge cut-off voltage		NeverDie® Power Reserve @ 48.00
Mechanical		Low voltage cut on @io.i
Dimensions		Length 27.0"
		Width 9.0"
		Height 10.2"
Weight		$\Delta \text{pprox}  98 \text{lbs} (44.5 \text{kg})$
Storage		(P)(0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,
Storage Temperature	< 1 Month	-4~95°F (-20~35°C) 45~75%RH
& Humidity Range	< 3 Months	140/96°E (-100/30°C) 450/75% PH
a manually hange	Recommended storage	59~95°F (15~35°C) 45%RH~75%RH
ong Term Storage	If the battery needs to be stored for > 3 months the voltage should be 52.8V (50%SOC), and stored at the recommended storage specification shown above. Additionally, the battery needs at least one charge & discharge cycle every six months.	
Self-discharge rate	Residual capacity	≤3% per month: ≤15% per vear
	Poversible capacity	<1.5% per month: <8% per year



#### WARNING

1. LITHIUM BATTERIES ARE NOT DESIGNED FOR CHARGING IN SUB-FREEZING TEMPERATURES. CONTACT LITHIONICS BATTERY® FOR DETAILS ON OUR COLD WEATHER PACKAGE. 2. INSTALLATION: IT IS RECOMMENDED THAT BATTERIES BE INSTALLED CABLE OR TERMINAL SIDE UP. 51V GTX SERIES

NOTE: CONTACT LITHIONICS BATTERY® FOR A USER INSTALLATION GUIDE & STORAGE PROCEDURES. FOLLOW THE GUIDE TO ENSURE FITNESS OF USE & WARRANTY.

TECH & RV CUSTOM COACH & MARINE

ENERGY

#### MODEL NUMBER: GTX51V275A-F27 SYSTEM

#### EXTERNAL BMS SYSTEM



#### Components Included:

**CUSTOM COACH & MARINE** 

Quantity	Product	
2 Qty.	GTX24V275A-F27-DIN-MODULE	
1 Qty.	Series Wire Harness	
1 Qty.	External AP037 BMS	

Item		Description	
Model		GTX51V275A-F27	
Nominal Voltage		51.2V	
Nominal Capacity		275Ah	
Nominal Watt Hours		14,200Wh	
Internal Resistance		<30 milliohms	
Charge		-	
Charging temperature range		32F/0C to 131F/45C	
Charge voltage		58.4V	
Recommended float charge voltage(for standby use)		53.6V	
Recommended max charge current		142.5A	
Allowed max charge current*		285A	
Discharge			
Discharging temperature range		-4F/-20C to 131F/55C	
Operating Voltage Range		46.4V to 53.6V	
Recommended max d	ischarge current*	285A	
Max discharge current	*	400A	
Pulse discharge current		2,750A	
Discharge cut-off voltage		NeverDie® Power Reserve @ 48.0V Low-Voltage Cut-Off @46.4V	
Mechanical			
Dimensions		Length 27.0"	
		Width 9.0"	
		Height 10.12"	
Weight		Approx. 260lbs (118kg)	
Storage			
Storage Temperature	< 1 Month	-4~95°F (-20~35°C), 45~75%RH	
& Humidity Range	< 3 Months	14~86°F (-10~30°C), 45~75%RH	
	Recommended storage	59~95°F (15~35°C), 45%RH~75%RH	
Long Term Storage	If the battery needs to be stored for > 3 months the voltage should be $52.8V$ (50%SOC), and stored at the recommended storage specifications shown above. Additionally, the battery needs at least one charge & discharge cycle every six months.		
Self-discharge rate	Residual capacity	≤3% per month; ≤15% per year	
	Reversible canacity	<1.5%per month: <8% per year	





#### MODEL NUMBER: GTX51V315A-F41-DIN-MODULE

#### EXTERNAL BMS VERSION



#### **EXTERNAL BMS REQUIRED**

BMS SOLD SEPARATELY. SEE BMS DATA SHEET PROVIDED BY LITHIONICS BATTERY®.

Item		Description	
Model		GTX51V315A-F4113-DIN-MODULE	
Nominal Voltage		51.2	
Nominal Capacity		315	
Nominal Watt Hours		16128	
Internal Resistance		<300 milliohms	
Charge			
Charging temperature range		32F/0C to 131F/55C	
Charge voltage		58.4	
Recommended float charge voltage(for standby use)		53.6	
Recommended charge current*		150	
Allowed max charge current*		300	
Discharge			
Discharging temperature range		-4F/-20C to 131F/55C	
Operating Voltage Range		46.4 to 58.4	
Recommended discharge current*		150	
Max discharge current	*	300	
Pulse discharge current		3150	
Discharge cut-off voltage		NeverDie® Power Reserve @ 48.00 Low-Voltage Cut-Off @46.4	
Mechanical		· · · · · · · · · · · · · · · · · · ·	
Dimensions		Length 41"	
		Width 13.37"	
		Height 12.85"	
Weight		Approx. 302lbs (137kg)	
Storage			
Storage Temperature	< 1 Month	-4~95°F (-20~35°C), 45~75%RH	
& Humidity Range	< 3 Months	14~86°F (-10~30°C), 45~75%RH	
, ,	Recommended storage	59~95°F (15~35°C), 45%RH~75%RH	
Long Term Storage	If the battery needs to be stored for > 3 months the voltage should be 52.8V (50%SOC), and stored at the recommended storage specifications shown above. Additionally, the battery needs at least one charge & discharge cycle every six months.		
Self-discharge rate	Residual capacity	≤3% per month; ≤15% per year	
	Reversible capacity	≤1.5%per month; ≤8% per year	
* Maximum charging and diso UL1973 tests of maximum cha	charging rates apply depending upo rge and discharge current were perfo	n the ambient temperature and duty cycle of the system. ormed at 25°C/77°F	







315 AMP HOURS

ENERGY

**CUSTOM COACH & MARINE** 

PULSE AMPS: 3150 (1 SEC)

16128 WATT-HOURS

1. LITHIUM BATTERIES ARE NOT DESIGNED FOR CHARGING IN SUB-FREEZING TEMPERATURES. CONTACT LITHIONICS BATTERY® FOR DETAILS ON OUR COLD WEATHER PACKAGE. 2. INSTALLATION: IT IS RECOMMENDED THAT BATTERIES BE INSTALLED CABLE OR TERMINAL SIDE UP.

WARNING

NOTE: CONTACT LITHIONICS BATTERY® FOR A USER INSTALLATION GUIDE & STORAGE PROCEDURES. FOLLOW THE GUIDE TO ENSURE FITNESS OF USE & WARRANTY.



#### MODEL NUMBER: GTX51V315A-F41-DIN-MODULE-UL

#### EXTERNAL BMS VERSION



#### **EXTERNAL BMS REQUIRED**

BMS SOLD SEPARATELY. SEE BMS DATA SHEET PROVIDED BY LITHIONICS BATTERY®.

Item		Description	
Model		GTX51V315A-F4113-DIN-MODULE-UL	
Nominal Voltage		51.2	
Nominal Capacity		315	
Nominal Watt Hours		16128	
Internal Resistance		<300 milliohms	
Charge			
Charging temperature range		32F/0C to 131F/55C	
Charge voltage		58.4	
Recommended float charge voltage(for standby use)		53.6	
Recommended charge current*		150	
Allowed max charge current*		300	
Discharge		-	
Discharging temperature range		-4F/-20C to 131F/55C	
Operating Voltage Ra	nge	46.4 to 58.4	
Recommended discharge current*		150	
Max discharge current	*	300	
Pulse discharge current		3150	
Discharge cut-off volta	age	NeverDie® Power Reserve @ 48.00	
Mechanical		Low-voltage Cut-OII @40.4	
Dimensions		Length 41"	
Difficitions		Width 13 37"	
		Height 12.85"	
Maiaht		Approx 302lbs (137kg)	
Storago		Applox. 302103 (137Kg)	
Storage Tomporature	< 1 Month	40585 ( 20258C) 45750/ DH	
& Humidity Range		14. 000E ( 10. 2000) 45. 75% RH	
a numbuly kange	< 3 Months	14~86°F (-10~30°C), 45~75%RH	
Long Term Storage	If the battery needs to be stored for > 3 months the voltage should be 52.8V (50%SOC), and stored at the recommended storage specifications shown above. Additionally, the battery needs at least one charge & discharge cycle every six months.		
Self-discharge rate	Residual capacity	≤3% per month; ≤15% per year	
	Reversible capacity	≤1.5%per month; ≤8% per year	
* Maximum charging and dis	charging rates apply depending upo	n the ambient temperature and duty cycle of the system.	







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315 AMP HOURS

ENERGY

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16128 WATT-HOURS

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ELKHART, IN 866-895-4556

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