LiFePO4 Lithium Battery

Bluetooth-enabled app revolutionizes how you monitor and optimize your LFP battery's life and performance. With real-time insights at your fingertips, you can track crucial metrics like state of charge, voltage, temperature, and more, ensuring your battery operates at peak efficiency.

Advantages of LFP Over SLA

OWERED

- LFP batteries are equipped with an integrated heater, ensuring optimal performance even in the chilliest conditions
- . Lower cost per cycle, greater than ten times the cycle life of sealed leadacid batteries
- Ultra-light weight; Significantly lighter than sealed lead-acid batteries
- Drop in replacement for sealed lead-acid batteries
- · Faster charging as a result of higher charge current
- More usable capacity sealed lead-acid battery capacity decreases as discharge current increases
- Includes Battery Management System (BMS) protection. Contains a circuit that fully protects itself with a Low Voltage Disconnect and a High Current Disconnect on discharge
- · Balancing circuit on charge

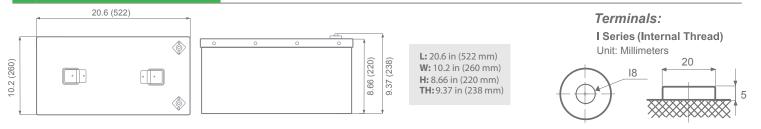
Specifications:

Electrical	
Nominal Voltage	25.6V
Nominal Capacity @ 77°F (25°C)	280 Ah
Maximum Series Voltage	51.2V (2 Max.)
Maximum Parallel Capacity	1120 Ah (4 Max.)
Internal Resistance	≤0.8 mΩ @ 100% SOC
Self Discharge	< 3% per month
Efficiency	99%
Mechanical	
Weight (approximate)	108 lbs (49.0kg)
Case Material	ABS
Waterproof Rating	IP65
Chemistry	LiFePO ⁴
Discharge	
Maximum Discharge Current	100A
Recommended Low Voltage Disconnect	22.4V
Low Voltage Cutoff Protection (BMS)	20.0V
Reconnect Voltage	22.4V

Recommended Charge Current 70A Maximum Charge Current 100A Charge Voltage Range (Absorption) 28.4 - 29.2 V BMS Charge Voltage Cutoff 29.6V **Reconnect Voltage** 27.6V Cell Voltage/Current Balance **BMS Functions** Temperature **Operating Temperature**

operating reinperature	
Discharge	-4°F~131°F (-20°C~55°C)
Charge	32°F~122°F (0°C~50°C)
Storage	-4°F ~140°F (-20°C ~ 60°C)
Charge	
BMS High Temperature Protection	131°F (55°C)
Protection Release Temperature	113°F (45°C)
Discharge	
BMS High Temperature Protection	140°F (60°C)
Protection Release Temperature	122°F (50°C)

Physical Dimensions: in (mm)



State of Discharge Curve (0.5C, 1C@25°C) 29.6 28.8 28.0 27.2 Voltage / V 26.4 25.6 Discharge - (50A) 24.8 24.0 Discharge - (100A) 23.2 22.4 21.6 20.8 20.0 35 70 105 140 175 210 245 280 315 250 Capacity / Ah

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120 Dividend Dr. Ste 100 Coppell, TX 75019

All specifications subject to change without notice.

UPG No. 48097

Maintenance-Free Experience the ultimate in battery management with the UPG BT app,



Due to continuous improvements to our products, product may vary slightly from depiction

Charge

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