

**Advantages of LFP Over SLA**

- 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 lead-acid 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



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

**Specifications:**

**Electrical**

Nominal Voltage	25.6V
Nominal Capacity @ 77°F (25°C)	200 Ah
Maximum Series Voltage	51.2V (2 Max.)
Maximum Parallel Capacity	800 Ah (4 Max.)
Internal Resistance	≤6 mΩ @ 100% SOC
Self Discharge	<3 % per month
Efficiency	99%

**Mechanical**

Weight (approximate)	89.3 lbs (40.5 kg)
Case Material	ABS
Waterproof Rating	IP65
Chemistry	LiFePO <sup>4</sup>

**Discharge**

Maximum Discharge Current	200A
Recommended Low Voltage Disconnect	22.4V
Low Voltage Cutoff Protection (BMS)	20 V
Reconnect Voltage	22.4 V

**Charge**

Recommended Charge Current	100 (0.5C)
Maximum Charge Current	150A
Charge Voltage Range (Absorption)	28.4 - 29.2 V
BMS Charge Voltage Cutoff	29.6 V
Reconnect Voltage	27.6 V

**BMS Functions**

Cell Voltage/Current Balance  
Temperature, MOSFETS

**Operating Temperature**

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)

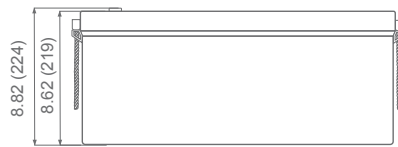
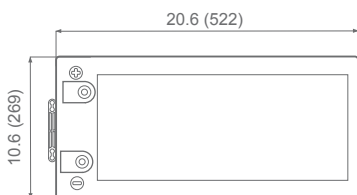
**Charge**

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)**

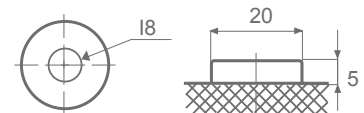


**L:** 20.6 in (522 mm)  
**W:** 10.6 in (269 mm)  
**H:** 8.82 in (224 mm)  
**TH:** 8.82 in (224 mm)  
Tolerances are +/- 0.08 in.  
(+/- 2mm) All data subject to change without notice.

**Terminals:**

**I Series (Internal Thread)**

Unit: Millimeters



**State of Discharge Curve (0.5C, 1C@25°C)**

