

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

Specifications:

Electrical

Nominal Voltage	25.6V
Nominal Capacity @ 77 F (25 C)	200 Ah
Maximum Series Voltage	51.2V (4 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 ⁴

Discharge

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



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

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

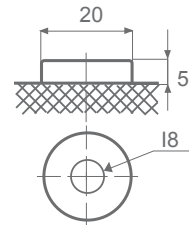
Temperature

Discharge Temperature	-4°F - 140°F (-20°C - 60°C)
Charge Temperature	32°F - 122°F (0°C - 50°C)
Storage Temperature	14°F - 122°F (-10°C - 50°C)
BMS High Temperature Cutoff	131°F (55°C)
Reconnect Temperature	113°F (45°C)

Terminals:

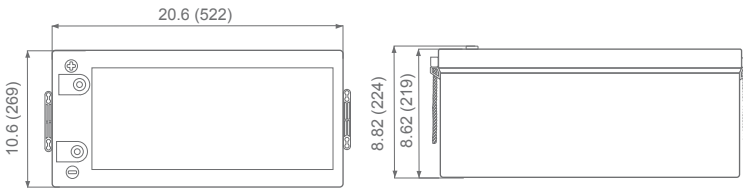
I Series (Internal Thread)

Unit: Millimeters



L: 20.6 in (522 mm)
W: 10.6 in (269 mm)
H: 8.62 in (219 mm)
TH: 8.82 in (224 mm)
Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All data subject to change without notice.

Physical Dimensions: in (mm)



Discharge Curve Per Cell

