

Maintenance-Free
Experience the ultimate in battery management with the **UPG BT** app, available now on the App Store.

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



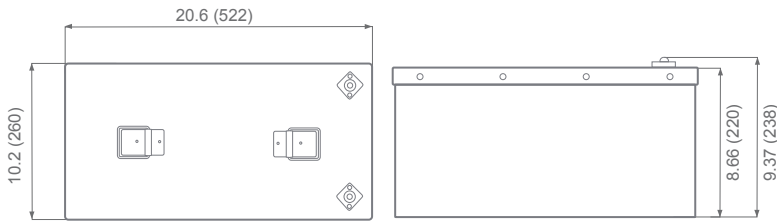
Due to continuous improvements to our products, product may vary slightly from depiction.

Specifications:

Electrical	
Nominal Voltage	25.6V
Nominal Capacity @ 77°F (25°C)	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

Charge	
Recommended Charge Current	70A
Maximum Charge Current	100A
Charge Voltage Range (Absorption)	28.4-29.2V
BMS Charge Voltage Cutoff	29.6V
Reconnect Voltage	27.6V
BMS Functions	
	Cell Voltage/Current Balance Temperature
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: 10.2 in (260 mm)
H: 8.66 in (220 mm)
TH: 9.37 in (238 mm)

Terminals:
I Series (Internal Thread)
Unit: Millimeters

