

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.

LFP8D

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	102.4V (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	140A
Recommended Low Voltage Disconnect	22.4V
Low Voltage Cutoff Protection (BMS)	20.0V
Reconnect Voltage	22.4V

Charge

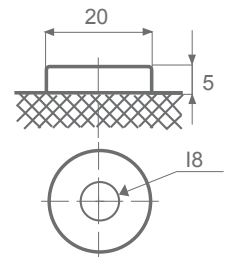
Recommended Charge Current	70A
Maximum Charge Current	140A
Charge Voltage Range (Absorption)	28.4 -29.2V
BMS Charge Voltage Cutoff	29.6V
Reconnect Voltage	27.6V

Temperature

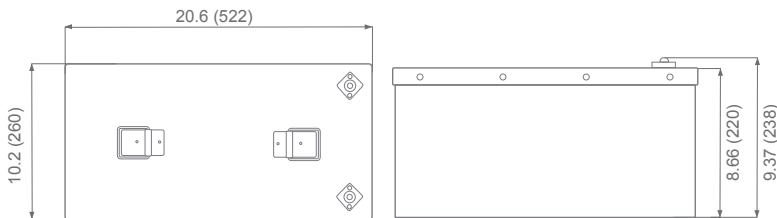
Discharge Temperature	-4°F - 140°F (-20°C - 60°C)
Charge Temperature	32°F - 122°F (0°C - 50°C)
Storage Temperature	14°F - 122°F (-10°C - 50°C)
BMS High Temperature Cutoff	149°F (65°C)
Reconnect Temperature	131°F (55°C)

Terminals:

I Series (Internal Thread)
Unit: Millimeters



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

Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All data subject to change without notice.

Discharge Curve Per Cell

