

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.

**LFP241030**

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)	103 Ah
Maximum Series Voltage	No Support
Maximum Parallel Capacity	No Support
Internal Resistance	≤6 mΩ @ 100% SOC
Self Discharge	<3 % per month
Efficiency	99%

**Mechanical**

Weight (approximate)	57.3lbs (26 Kg [+/-1.1lbs-.5Kg])
Case Material	ABS
Waterproof Rating	IP65
Chemistry	LiFePO

**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	50 (0.5C)
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, 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)

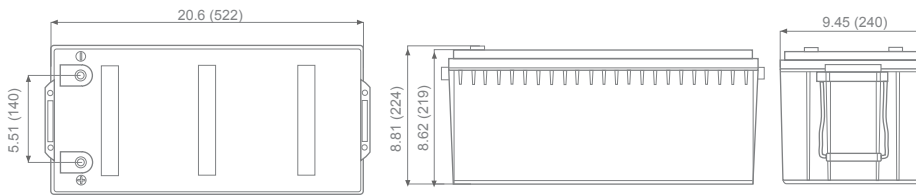
**Charge**

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) H: 8.62 in(219 mm) Tolerances are:  
W: 9.45 in (240 mm) TH: 8.81 in(224 mm) +/- .08 in (+/- 2mm)

**Terminals:**  
I Series (Internal Thread)  
Unit: Millimeters



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

