# LiFePO4 Lithium Battery

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.

### **Advantages of LFP Over SLA**

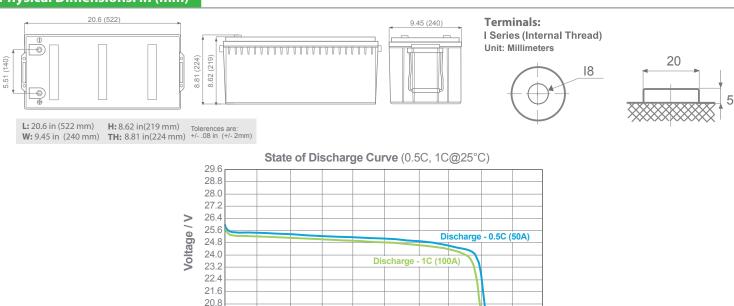
**POWERED**<sup>®</sup>

- 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)	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 [+/-1.1lbs5Kg])
Case Material	ABS
Waterproof Rating	IP65
Chemistry	ŧiFePO
Discharge	
Maximum Discharge Current	100A
Recommended Low Voltage Disconnect	22.4V
Low Voltage Cutoff Protection (BMS)	20.0V
Reconnect Voltage	22.4V

## Physical Dimensions: in (mm)



www.upgi.com



20.0

0

120 Dividend Dr. Ste 100 Coppell, TX 75019

50

Capacity / Ah

75

25

Main 469.892.1122 Toll Free 866.892.1122

125

100

All specifications subject to change without notice.

## Fax 469.892.1123 sales@upgi.com

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d **LFP241030** Maintenance-Free Experience the ultimate in battery management with the UPG BT app, available now on the App Store.



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

#### 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)