

UI12150

Technical Datasheet



LiFe PoWER

Li-Ion LFP Benefits Over SLA

- Capable of nearly full nameplate capacity delivery vs. 50% typically from SLA
- >3000 full depth of discharge cycles
- Uniform voltage during discharge
- Long duration charge retention (no trickle charging required)
- Light weight
- No venting
- Wider temperature range

Features

- Screw terminals

Applications

- Scooters / wheelchairs
- UPS replacement
- Solar battery

Technical Specifications

Part No	UI12150
Chemistry	Lithium Iron Phosphate
Nominal Voltage	12.8V± 0.1V
Nominal Capacity	150Ah at 0.2C discharge rate
Energy	1800Wh
Max. Continuous Discharge Current	100A (not greater than 10min duration)
Standard Discharge Current	20A
Discharge Cut-off Voltage	Approx. 8.0V
Charge Voltage	14.6 ± 0.1V (see table)
Charge Mode	CC/CV use a constant current, constant voltage (CC/CV) charging regime
Max. Charge Current	20A (see table)
Internal Resistance	≤200mΩ
Operating Temperature	Charge: 0°C to 45°C Discharge: -20°C to 55°C
Weight	Approx. 35 ± 0.1kg (77.16 ± 0.2lb)
Size	Length: 420 ± 2mm (16.53in) Width: 190 ± 2mm (7.48in) Height: 250 ± 2mm (9.84in)
Protection	Over charge protection Over discharge protection Over current protection Temperature protection Cell balancing function
Transportation	Class 9 Hazardous

Constant Voltage Charge at 23°C	Voltage Regulation	Initial Current
Standby Use	13.6V	20A
Cycle Use	14.6V	20A