

UI127

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
- Wide temperature range

Features

- TI terminals 4.75mm x 6.38mm

Applications

- Alarm panel backup systems
- Environmental control backup systems
- Emergency lighting

Technical Specifications

Part No	UI127
Chemistry	Lithium Iron Phosphate
Nominal Voltage	12V (13.2V average)
Nominal Capacity	7.5Ah at 0.2C discharge rate
Energy	90Wh
Max. Continuous Discharge Current	10A
Over Current Protection	45 ± 5A, 12 ± 5ms
Discharge Cut-off Voltage	Approx. 10V
Charge Voltage	14.4 ± 0.1V (see table)
Charge Mode	CC/CV use a constant current, constant voltage (CC/CV) charging regime
Max. Charge Current	7A
Internal Resistance	≤50mΩ
Operating Temperature	Charge: 0°C to 45°C Discharge: -20°C to 60°C
Weight	Approx. 1.0 ± 0.2kg (2.2 ± 0.4lb)
Size	Length: 151 ± 2mm (5.95in) Width: 65 ± 2mm (2.56in) Height: 94 ± 2mm (3.70in)
Protection	Over charge protection Over discharge protection Over current protection Temperature protection Cell balancing function
Transportation	Non-class 9

Constant Voltage Charge at 23°C	Voltage Regulation	Initial Current
Standby Use	13.6V	7A
Cycle Use	14.4V	7A

Performance Graphs

