

# UI12250

## 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

- Terminals M8

#### Applications

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

#### Technical Specifications

Part No	UI12250
Chemistry	Lithium Iron Phosphate
Nominal Voltage	12V (13.2V average)
Nominal Capacity	250Ah at 0.2C discharge rate
Energy	3200 Wh
Max. Continuous Discharge Current	150A
Max. Pulse Current	350A(<3s)
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	25A
Internal Resistance	≤20mΩ
Operating Temperature	Charge: 0°C to 45°C Discharge: -20°C to 60°C
Weight	Approx. 36.4 ± 0.2kg (80.284 ± 0.4lb)
Size	Length: 522 ± 3mm (20.551in) Width: 268 ± 3mm (10.551in) Height: 226 ± 3mm (8.898in)
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	25A
Cycle Use	14.4V	25A