

**E48125-Power LiFePO4 BATTERY
DATA SHEET(51.2V/125Ah)**

VICTRON protocol compatible

CE
IP67 UN38.3
FC



Communication protocol:
CANBUS, 485

| BATTERY TECH DATA | |
|-----------------------------------|---|
| Stored energy | 6400Wh |
| Rated capacity | 125Ah |
| Nominal voltage | 51.2V |
| Volt range | 40V-57.6V |
| Charge time | Standard 4.5h |
| | Rapid 1.5h |
| Charge method CC-CV | Standard 30A/56V |
| | Rapid 125A/56V |
| Max discharge current | Peak(10s) 600A |
| | Surge (10min) 200A |
| | Continuous 125A |
| Cycle life 0.5C,23°C/73°F | 50% >7000cycles |
| | 100% >2000cycles |
| Operating temperature range | Charge 0°C~55°C/ 32°F~131°F |
| | Discharge -20°C~60°C/ -4°F~140°F |
| | Storage(1month) -20°C~45°C/ -4°F~113°F |
| | Storage(6month) -10°C~35°C/ 14°F~95°F |
| Water proof | IP67 |
| Approx weight | 63kg/138.9lbs |
| Series & parallel connection | Max 18 batteries in parallel connection. Series connection is not available. Batteries must be the same volt before parallel connection. |

| Length | Width | Height |
|--------|--------|--------|
| 650mm | 360mm | 210mm |
| 25.6in | 14.2in | 8.2in |

| BMS PROTECTION | |
|--|--|
| Balance | Current 50mA |
| | Activate volt 3.55V/ cell |
| | Cell Voltage difference > 20mV |
| High temperature protection(MOSFET) | Protection 95°C / 203°F |
| | Release 70°C / 158°F |
| High temperature protection (cell) | Protection 60°C / 140°F (charge) |
| | 65°C / 149°F (discharge) |
| | Release 50°C / 122°F (charge) |
| Low temperature protection (cell) | 55°C / 131°F (discharge) |
| | Protection -5°C / 23°F (charge) |
| | -20°C / -4°F (discharge) |
| Over-charge | Release 0°C / 32°F (charge) |
| | -15°C / 5°F (discharge) |
| Over-discharge | Protection 60V (3.75V/cell) |
| | Release 54.08V (3.38V/cell) or discharge current >1A |
| Short-circuit | Protection 35V (2.5V/cell) |
| | Release 39.2V (2.8V/cell) |
| Short-circuit | Protection 800A |
| | Release Remove load for the short circuit protection to release |

**APPLICATION
SCENARIOS**

BOAT

TROLLING MOTOR

TRAILER

MOTORHOME

 Optional for
Lilead Display