



Solar battery sub systems-LiFePO₄

Range of high performance batteries

Lithium ferro phosphate battery integrates highly efficient technology to get long service lifetime, high performance in deep discharging. Inbuilt battery management system for protection and safe operations. It can be used in wide range of ambient temperature delivering constant power output.

Advanced technology for high performance

LiFePO₄ technology

- Long service lifetime and high performance in deep discharging
- 2000 cycles at 90% DOD

Safe

- Over charging/discharging protection
- Short circuit protection
- Cell balancing
- Temperature high/low cut offs

Robust

- Environmentally sealed to IP68
- Suitable for underground installation

Product benefits

- On-pole and in-ground installation
- Available in 12.8V and 25.6V systems
- Wide operating temperature range from 0 to 60° C
- Plug and play design for easy connection and installation

Technical specifications

| Specifications | ZJS601 |
|-------------------|---------------------------------------------------------------------------|
| Battery chemistry | Lithium ferro phosphate |
| Capacity | 50Ah to 160Ah |
| Housing | IP68 |
| Mounting | Underground & pole installation, pole mounting kit available as accessory |
| Battery Voltage | 12.8V and 25.6V |
| Connections | 3 m cable with IP67 MC4 and KB1 connectors |
| Charging temp. | 0°C to 60°C |
| Discharging temp. | -20°C to 60°C |
| Life Cycle | >2000 cycles at 90% DOD |

Applications

- Street lighting
- Flood lighting

