

LiFePO4 Battery

FLA Series | FLA12100~300PG2

Low-voltage



Features

- Scalable expansion up to 16 pcs in parallel.
- Flexible Installation: floor-mounted.
- LiFePO4: higher safe performance and longer cycle life.
- Multiple protection with built-in smart BMS, and fuse.
- Compatible with leading inverter brands.
- Up to 5-year long warranty.

Scenarios



RV



Small Boat



Small Stores



Small Offices



Small Farms

Specifications

| Model                                                                            | FLA12100PG2                          | FLA12171PG2                          | FLA12300PG2                          |
|----------------------------------------------------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| Battery Type                                                                     | LiFePO4                              |                                      |                                      |
| Energy                                                                           | 1.28kWh                              | 2.18kWh                              | 3.58kWh                              |
| Nominal Voltage                                                                  | 12.8V                                | 12.8V                                | 12.8V                                |
| Operating Voltage                                                                | 11.2-14.4V                           | 11.2-14.4V                           | 11.2-14.4V                           |
| Recommended Charge/Discharge Current                                             | 50A                                  | 50A                                  | 100A                                 |
| Recommended Charge/Discharge Power                                               | 625W                                 | 625W                                 | 1250W                                |
| Max. Continuous Charge/Discharge Current[1]                                      | 100A                                 | 120A                                 | 150A                                 |
| Max. Charge/Discharge Power                                                      | 1,250W                               | 1,500W                               | 1,920W                               |
| Depth of Discharge(DOD)                                                          | ≥ 95%                                | ≥ 95%                                | ≥ 95%                                |
| Scalability                                                                      | Up to 16 units in parallel(20.48kWh) | Up to 16 units in parallel(34.88kWh) | Up to 16 units in parallel(57.28kWh) |
| Max. Series Connections                                                          | 4 Units                              |                                      |                                      |
| Communication                                                                    | CAN2.0/RS485/WIFI/Bluetooth          |                                      |                                      |
| Protection Level                                                                 | IP21                                 |                                      |                                      |
| Cycle Life[2]                                                                    | ≥ 6,000 Cycles                       |                                      |                                      |
| Charging Temperature Range                                                       | 0-55 °C                              |                                      |                                      |
| Discharging Temperature Range                                                    | -20-55 °C                            |                                      |                                      |
| Display                                                                          | LED                                  |                                      |                                      |
| Installation                                                                     | Floor-Mounted                        |                                      |                                      |
| Protection                                                                       | Built-in smart BMS, Fuse             |                                      |                                      |
| Warranty                                                                         | 5 Years                              |                                      |                                      |
| Net Weight                                                                       | 10.3kg                               | 14.5kg ±1                            | 26kg±3%                              |
| Gross Weight                                                                     | 12.3kg                               | 17kg ±1                              | 29kg±3%                              |
| Product Dimension                                                                | 295×201×199MM                        | 328×248×199±5mm                      | 379x241x286±5mm                      |
| Package Dimension                                                                | 357×263×261MM                        | 391×310×257±5mm                      | 438x300x344±5mm                      |
| [1] Max. Continuous Charge/Discharge Current is Affected by Temperature and SOC. |                                      |                                      |                                      |
| [2] Test conditions: 0.2C Charging/Discharging @25°C,80% DOD                     |                                      |                                      |                                      |