



Low Voltage Battery

LB-16D-G2

Description

The LB-16D-G2 is a deep cycle high capacity LFP battery with improved safety, long lifespan, and optimized user experience.

It has superior performance with a capacity of 16.08 kWh for a single unit and a maximum of 241 kWh for 15 batteries in parallel, which can meet the residential electricity demand.

Features

01

LFP with improved safety design

04

Adaptable to environments with temperatures ranging from -20°C to 55°C

02

Provides abundant power with 314 Ah capacity, ensuring long-lasting energy storage

05

Flexible capacity options from 16.08 kWh to 241 kWh

03

A recommended depth of discharge (DOD) of 90% allows for more usable energy

06

Intelligent BMS with multiple protection functions

Technical Specifications

| Model | LB-16D-G2 |
|---|--------------------------------|
| System Data | |
| Battery type | LiFePO ₄ |
| Rated capacity (Ah) | 314 |
| Total energy (kWh) | 16.08 |
| Rated voltage (V) | 51.2 |
| Voltage range (V) | 42-57.6 |
| Rated charging/discharging current (A) | 62.8/157 |
| Max. continuous charging/discharging current (25°C) (A) | 157 |
| Peak charging/discharging current (A) | 200 (10s) |
| Max. charging/discharging power (kW) | 8.04 |
| Communication | CAN |
| Recommended depth of discharge (DOD) | 90% |
| Max. parallel quantity | 15 |
| Protection | |
| Overvoltage and undervoltage protection | Integrated |
| Overcurrent protection | Integrated |
| Overtemperature and undertemperature protection | Integrated |
| Heating ⁽¹⁾ | Optional |
| DC breaker ⁽¹⁾ | Optional |
| General | |
| Dimensions (W × H × D [mm]) ⁽²⁾ | 500 × 880 × 240 |
| Weight (kg) ⁽²⁾ | 115 |
| Installation Environment | Indoor |
| Mounting | Floor standing |
| Charging temperature (°C) | 0 to +55 |
| Discharging temperature (°C) | -20 to +55 |
| Protection degree | IP20 |
| Cooling | Natural convection |
| Altitude (m) | ≤2000 |
| Cycle life (25°C, 0.2C) | 6000 Cycles (80% DOD) |
| Certification | IEC 62619, UN 38.3, CE-EMC, CB |
| Warranty | 5 Years |

(1) The heating function and the DC breaker are available as a combination option; neither can be provided separately.

(2) The actual dimensions and weight may differ. For details, please contact Hoymiles sales.