



# 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
<strong>System Data</strong>	
Battery type	LiFePO <sub>4</sub>
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
<strong>Protection</strong>	
Overvoltage and undervoltage protection	Integrated
Overcurrent protection	Integrated
Overtemperature and undertemperature protection	Integrated
<strong>General</strong>	
Dimensions (W × H × D [mm]) <sup>(1)</sup>	500 × 880 × 240
Weight (kg) <sup>(1)</sup>	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)	6000 Cycles
Certification	IEC 62619, UN 38.3, CE-EMC, CB
Warranty <sup>(2)</sup>	5-10 Years

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

(2) Please refer to Hoymiles Warranty Terms & Conditions for more details.