



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)	6000 Cycles
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.