



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

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| <div>01</div> <div>LFP with improved safety design</div> | <div>04</div> <div>Adaptable to environments with temperatures ranging from -20°C to 55°C</div> |
| <div>02</div> <div>Provides abundant power with 314 Ah capacity, ensuring long-lasting energy storage</div> | <div>05</div> <div>Flexible capacity options from 16.08 kWh to 241 kWh</div> |
| <div>03</div> <div>A recommended depth of discharge (DOD) of 90% allows for more usable energy</div> | <div>06</div> <div>Intelligent BMS with multiple protection functions</div> |

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.