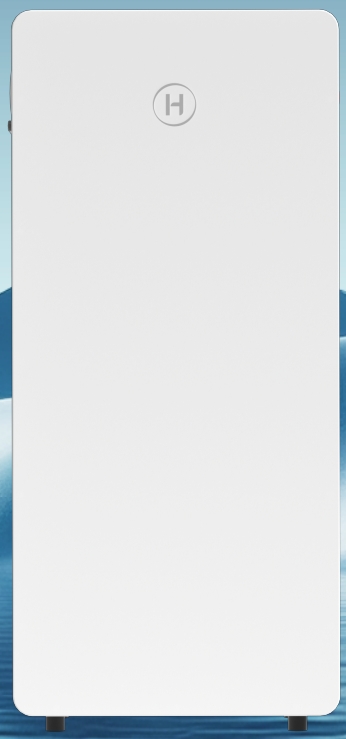
LOW VOLTAGE BATTERY

The LB-16D-G3 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 kWh for a single unit and a maximum of 256 kWh for 16 batteries in parallel, which can meet the residential electricity demand.

LB-16D-G3



Features

01 LFP with improved safety design

02 Provides long-lasting performance with 314 Ah cells

03 Quick connector design for easy installation

04 Enables low-temperature charging with an optional heating function

05 Flexible capacity options from 16 kWh to 256 kWh

06 Designed for indoor/outdoor installation with IP65 protection

Technical Specifications

Model	LB-16D-G3
System Data	
Battery type	$LiFePO_4$
Rated capacity (Ah)	314
Total energy (kWh)	16
Rated voltage (V)	51.2
Voltage range (V)	44.8-58.4
Max. continuous charging/discharging current (A)	157
Peak charging/discharging current (A)	235 (10s)
Communication	CAN
Recommended depth of discharge (DOD)	90%
Max. parallel quantity	16
Protection	
Overvoltage and undervoltage protection	Integrated
Overcurrent protection	Integrated
Overtemperature and undertemperature protection	Integrated
DC breaker	Integrated
Heating	Optional
General	
Dimensions (W × H × D [mm])(1)	410 × 886 × 236
Weight (kg)(1)	115
Installation Environment	Indoor / Outdoor
Mounting	Wall-mounted / Floor-standing
Wall-mounted bracket / Wheels (4 pcs)	Optional
Charging temperature (°C)	0 to +55 (-20 to +55 with optional heating)
Discharging temperature (°C)	-20 to +55
Protection degree	IP65
Cooling	Natural convection
Altitude (m)	≤2000
Cycle life (25°C, 0.5C)	8000 Cycles, 90% DOD, 70% EOL
Certification	IEC 62619, UN 38.3, CE-EMC
Warranty(2)	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.

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