

LOW VOLTAGE BATTERY



The LB-6D-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 6.02 kWh for a single unit and a maximum of 96.32 kWh for 16 batteries in parallel, which can meet the residential electricity demand.

LB-6D-G3



Features

- 01 LFP with improved safety design
- 02 Provides long-lasting performance with 314 Ah cells
- 03 Built-in DC-DC module, supporting mixed use of old and new
- 04 Enables low-temperature charging with an optional heating function
- 05 Flexible capacity options from 6.02 kWh to 96.32 kWh
- 06 Designed for indoor/outdoor installation with IP65 protection

Technical Specifications

Model		LB-6D-G3
System Data		
Battery type		LiFePO ₄
Rated capacity (Ah)		314
Total energy (kWh)		6.02
Rated voltage (V)		51.2
Voltage range (V)		44.8-60
Max. continuous charging/discharging current (A)		60
Peak charging/discharging current (A)		90 (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 × 519 × 236
Weight (kg) ⁽¹⁾		55
Installation Environment		Indoor / Outdoor
Mounting		Wall mounted / Floor standing
Wall-mounted bracket		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.