



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 up to 16.07 kWh for a single unit and a maximum of 241 kWh in parallel.

Features

01 Lower LCOE with 314 Ah large capacity battery cell

03 Support up to 15 units in parallel

02 LFP with improved safety design

04 Quick connector design saves installation time

Technical Specifications

Model	LB-16D-G2
System Data	
Battery type	LiFePO ₄
Rated capacity (Ah)	314
Total energy (kWh)	16.07
Rated voltage (V)	51.2
Voltage range (V)	42.0-57.6
Max. charging current (A)	150
Max. discharging current (A)	150
Max. charging/discharging power (kW)	7.68/7.68
Communication	CAN
Recommended depth of discharge (DOD)	90%
Max. parallel quantity	Max. 15 sets in parallel, 241 kWh
Protection	
Overvoltage and undervoltage protection	Integrated
Overcurrent protection	Integrated
Overtemperature and undertemperature protection	Integrated
General	
Dimensions (W × H × D [mm])	500 × 880 × 240
Weight (kg)	127
Charging temperature (°C)	0 to +60
Discharging temperature (°C)	-20 to +60
Protection degree	IP21
Cooling	Natural convection
Altitude (m)	≤2000
Cycle life (25°C, 0.5C)	6000 Cycles
Certification	UN 38.3, CE-EMC
Warranty	5-10 Years