



High Voltage Battery Datasheet

- HB-10S-G2**
- HB-15S-G2**
- HB-19S-G2**
- HB-23S-G2**

Description

The HB-(10-23)S-G2 series is a type of deep cycle and high capacity LFP battery with improved safety, long lifespan, and optimized user experience.

It is designed with an IP65 rating for more flexible and easier installation.

It has superior performance with a capacity ranging from 11.52

kWh

to 23.04 kWh for a single tower, which can meet residential electricity demand.

Features

- 01** LFP with improved safety design
- 02** Suitable for indoor/outdoor installation with IP65 design
- 03** Quick connector design saves installation time
- 04** Stackable design without wiring
- 05** Flexible capacity options from 11.52 kWh to 23.04 kWh
- 06** Module level fire protection

Technical Specifications

Model	HB-10S-G2	HB-15S-G2	HB-19S-G2	HB-23S-G2
System Data				
Battery type	LiFePO4			
Rated capacity (Ah)	50			
Number of modules	50			
Total energy (kWh)	50			
Rated voltage (V)	50			
Voltage range (V)	3	4	5	6
Rated charging/discharging current	3	4	5	6
Max. continuous charging/discharging current (A)	11.52	15.36	19.2	23.04
Max. charge/discharge power (kW)	230.4	307.2	384	460.8
Peak charge/discharge power (kW)	201.6-259.2	268.8-345.6	336-432	403.2-518.4
Recommended depth of discharge (DOD)	0.5C			
	30			
	5.76	7.68	9.6	11.52
	11.52 (5s)	15.36 (5s)	19.2 (5s)	23.04 (5s)
	CAN, RS485			
	90%			
Protection				
Overvoltage and undervoltage protection	Integrate			
Overcurrent protection	d			
Overtemperature and undertemperature protection	Integrate			
DC breaker	d			
	Integrate			
General				
Dimensions (W × H × D [mm])	635 × 565 × 335	635 × 710 × 335 ^d	635 × 855 × 335	635 × 1000 × 335
Weight (kg)	132	172	Integrate 212	252
Installation environment	d Indoor/Outdoor			
Charging temperature (°C)	0 to +50			
Discharging temperature (°C)	-10 to +50			
Protection degree	IP65			
Cooling	Natural convection			
Altitude (m)	≤2000			
Cycle life (25°C, 0.5C)	6000 Cycles, @90% DOD, @70% EOL			
Certification	IEC 62619, UN 38.3			
Warranty	10 Years			

*Parallel connection between battery towers is not supported.

