



# 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
<b>System Data</b>				
Battery type	LiFePO <sub>4</sub>			
Rated capacity (Ah)	50			
Number of modules	3	4	5	6
Total energy (kWh)	11.52	15.36	19.2	23.04
Rated voltage (V)	230.4	307.2	384	460.8
Voltage range (V)	201.6-259.2	268.8-345.6	336-432	403.2-518.4
Rated charging/discharging current	0.5C			
Max. continuous charging/discharging current (A)	30			
Max. charge/discharge power (kW)	5.76	7.68	9.6	11.52
Peak charge/discharge power (kW)	11.52 (5s)	15.36 (5s)	19.2 (5s)	23.04 (5s)
Communication	CAN, RS485			
Recommended depth of discharge (DOD)	90%			
<b>Protection</b>				
Overvoltage and undervoltage protection	Integrated			
Overcurrent protection	Integrated			
Overtemperature and undertemperature protection	Integrated			
DC breaker	Integrated			
<b>General</b>				
Dimensions (W × H × D [mm])	635 × 565 × 335	635 × 710 × 335	635 × 855 × 335	635 × 1000 × 335
Weight (kg)	132	172	212	252
Installation environment	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.