



## High Voltage Battery

**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		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%							
Protection									
Overvoltage and undervoltage protection		Integrated							
Overcurrent protection		Integrated							
Overtemperature and undertemperature protection		Integrated							
DC breaker		Integrated							
General									
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 +45							
Discharging temperature (°C)		-10 to +45							
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, CE-EMC							
Warranty <sup>(1)</sup>		5-10 Years							

\*Parallel connection between battery towers is not supported.  
(1) Please refer to Hoymiles Warranty Terms & Conditions for more details.