SmartGreen

SHB 20 Battery

EHB-002000-P00

Home Energy Storage - EU

This series products are compact solution for energy storage or backup needs of home user or smaller business.

It can provide backup power to avoid losses when power stopping. Moreover, It can store power from solar charging power during the day time or from grid power during low-price period and supply power during high-price or heavy loading period to achieve the purpose of saving energy and electricity bills.

Product HIGHLIGHT

- Compact design for transportation and Modular design for installation and maintenance.
- Automatically store energy from solar power or grid power during low-price period and supply the power to house needs at any time.
- Flexible to choose different quantities of battery modules based to user requirements of capacity and space.

ECO FRIENDLY | GREEN ENERGY | SUSTAINABILITY

Home Energy Storage - Battery

Series	SHB 7	SHB 10	SHB 14	SHB 17	SHB 20
Model Name	EHB-000700-P00	EHB-001000-P00	EHB-001400-P00	EHB-001700-P00	EHB-002000-P00
Performance					
Power module name	EHB-PM-007-P00				
Battery module name	EHB-BP-003-P00 (3.46 kWh / LFP)				
Number of modules	2 packs	3 packs	4 packs	5 packs	6 packs
Installed Capacity	6.9 kWh	10.3 kWh	13.8 kWh	17.2 kWh	20.7 kWh
DOD	> 90%				
Working power	2.7 kW	4.1 kW	5.4 kW	6.8 kW	8.1 kW
Working Voltage	Nominal: 437 V, range: 360 to 480 V, for single-phase system Nominal: 750 V, range: 690 to 950 V, for three-phase system				
Working Current	Max. 25 A				
Charge-Discharge Rate	0.42 C				
Cycle life	4,000 cycles				
Interface / Communication					
Interface	RS485				
Compatible inverters	SHP series				
Scalability	Max. 2 systems in parallel operation				
General Parameter					
Operating temp.	-20 °C to +55 °C (de-rated at 45 °C)				
Humidity	5% to 95% RH, no condensation				
Operating altitude	≤2000 m				
Mechanical					
Enclosure Protection	IP55				
Cooling	Natural Convection				
Module dimensions (W x H x D)	Power module : 798 x 335 x 218 mm Battery module: 795 x 218 x 218 mm				
Module weight	Power module : 20 kg per pack Battery module : 29 kg per pack				
Dimensions (W x H x D)	799 × 767 x 218 mm	799 × 959 x 218 mm	799 × 1150 x 218 mm	799 × 1342 x 218 mm	799 × 1533 x 218 mm
Weight	80 kg	109 kg	138 kg	167 kg	196 kg
Installation	Floor - mounting				
Compliance					
Standards	Safety: IEC/EN62477-1, IEC 63056, IEC 62619, EMC: EN IEC 61000-6-1/-3, Other: UN38.3+MSDS, Marine Identification Report				

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