SmartGreen

SHB 7 Battery

EHB-000700-TU0

Home Energy Storage - TW

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-TU0	EHB-001000-TU0	EHB-001400-TU0	EHB-001700-TU0	EHB-002000-TU0
Performance					
Battery module	3.5-M (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%				
Charge-discharge Rate	0.5 C				
Performance					
Working voltage	Nominal: 437 Vdc, range: 380 Vdc to 550 Vdc, for split-phase system				
Working power	3.2 kW	4.8 kW	6.4 kW	8.1 kW	9.7 kW
Working current	Max. 28 A				
Interface / Communication					
Status indication	LED indicator				
Interface	RS485				
Compatible inverters	SHP series inverters				
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 for 1 pack Battery module: 795 x 193 x 218 mm for 1 pack				
Module weight	Power module : 20 kg for 1 pack Battery module : 29 kg for 1 pack				
Dimensions (W x H x D)	800×767 x 218 mm	800×959 x 218 mm	800×1150 x 218 mm	800×1342 x 218 mm	800×1533 x 218 mm
Weight	Approx. 80 kg	Approx. 109 kg	Approx. 138 kg	Approx. 167 kg	Approx. 196 kg
Installation	Floor - mounting				
Compliance					
Standards	Safety: IEC 62619, CNS62619 (on-going) EMC: IEC 61000-6-1/-3 Other: UN38.3+MSDS, Marine Identification Report				

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