

SHB 17 Battery

EHB-001700-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.

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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