



SHP 5.0-S

EHP-000500-P00 Hybrid Inverter

Product

HIGHLIGHT



Support APP remote monitor and control and record consumption of power from solar or grid for home or small commercial users.



Highly intelligent control to limit maximum using power from grid and adjust solar or battery power to home needs based on the schedule or setting for saving grid power and electricity bills.



Highly integrated with EMS and inverter for transferring power from solar or battery to grid power for daily or any time needs.



Solar / Hybrid Inverter - EU

The series products provide hybrid inverter for home use and pure solar inverter for commercial or industrial needs.

To use green energy for solar power, the solar inverter is a critical equipment in solar power system.

Hybrid Inverter

Series / Model name	SHP-5.0-S / EHP-000500-P00		SHP-14-T / EHP-00140T-P00	
Input - Battery Port				
Max. charge/discharge power	5.04 kW		13.8 kW	
Working voltage range	360 Vdc to 480 Vdc		690 Vdc to 900 Vdc	
Working current	Max. 14 A		Max. 18 A	
Peak efficiency	97.4%		98.4%	
Compatible battery	7kWh to 20.7 kWh / LFP			
Input - PV Port				
Input voltage	Max. 600 Vdc		Max. 1000 Vdc	
MPPT working voltage	80 Vdc to 500 Vdc		140 Vdc to 950 Vdc	
MPPT working current	Max. 13.5 A per MPPT loop			
Number of MPP trackers	2 loops			
AC Port (On-grid Mode)				
Wire connection	L+N+PE, single-phase		L1+L2+L3+N+PE, three-phase	
Grid voltage/frequency	220 Vac / 230 Vac, 45-65 Hz		220/230Vac or 380/400Vac, 45-65 Hz	
Working power/current	5.5 kVA / Max. 25A		13.8kVA / Max. 21A	
AC Port (Off-grid Mode)				
Working voltage /frequency	220 V / 230 V, 45-65 Hz		220/230Vac or 380/400Vac, 45-65 Hz	
Working power/current	5 kVA / Max. 25 A		13.8 kVA / Max. 21A	
Interface / Communication				
Display	LED indicator			
Smart control	Supported APP			
Interface	RS485, BT+Wi-Fi (dongle)			
General Parameter				
Topology	Transformer-less			
Operating temperature	-25 °C to +60 °C (De-rated at 45°C @ Rated output power)			
Humidity	0% to 95% RH, no condensation			
Operating altitude	≤4000 m		≤2000 m	
Mechanical				
Enclosure Protection	IP65			
Cooling	Natural convection			
Dimensions (W x H x D)	485 x 400 x 177 mm			
Weight	17 kg		19 kg	
Installation	Wall - mounting			
Compliance				
Standards	Safety: IEC 62109-1/-2, EMC: IEC61000-6-1/-3, IEC 62920			
Grid Connection Standards	MEA, PEA			

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