



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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