

SOLARALL H SERIES

1:1 PHASE

3 kW - 6 kW

HYBRID INVERTER



Efficient Higher Revenue

- + Maximum Efficiency : 97.6%
- + Input power source priority can be set by users.



Intelligent Simple O&M

- + IP65 Protection Degree : support outdoor installation.
- + Battery reverse connection protection.
- + Support RS485/CAN/DRM (WiFi/4G Optional) : remote monitoring and operation via PC or mobile phones.



Flexible Abundant configuration

- + Support automatic battery switch.
- + Support diesel generator as input source.
- + Parallel available, intelligent BMS management.
- + Export Control (Zero Export)
- + Compatible with lead-acid and lithium-ion batteries.

	SAHB3	SAHB3K6	SAHB4	SAHB4K6	SAHB5	SAHB6
INPUT (AC)						
Max. PV Input Power	4.6 kW		6 kW		7 kW	
Max. PV Input Voltage	550 VAC					
MPP Voltage Range	125 V - 500 V					
Rated Frequency	14 A					
Number of MPP Trackers / String per MPPT	2 / 1					
OUTPUT (AC)						
Max. Output Current	13 A	16 A	17.4 A	20 A	21.7 A	26 A
Rated Power	3 kVA	3.6 kVA	4 kVA	4.6 kVA	5 kVA	6 kVA
Rated Voltage	230 V; L + N + PE					
Operating Voltage Range	176 V ~ 270 V					
Frequency	50Hz / 60Hz					
Power Factor	0.8 Lagging - 0.8 Leading					
THDi	<3%					
OUTPUT (EPS)						
Max. Output Current	3 kVA	3.6 kVA	4 kVA	4.6 kVA	5 kVA	6 kVA
Rated Voltage	230 VAC					
Rated Current	13 A	16 A	17.4 A	20 A	21.7 A	26 A
Rated Frequency	50Hz / 60Hz					
Automatic Switching Time	<20 ms					
Overload Capability	110%, 30s; 120% 10s; 150% 0.02s					
THDu	<2%					
BATTERY						
Battery Voltage	40 V ~ 58 V					
Floating	58 V					
Overcharge Protection	95A / 62.2A	95A / 75A	95A / 83.3A	95A / 95.8A	95A / 104.2A	95A / 110A
Battery Type	Lithium / Lead-Acid					
Communication	CAN / RS485					
Efficiency						
Max. DC Efficiency	97.60 %					
European Efficiency	97.0 %					
MPPT Efficiency	99.90 %					
Battery Charge/Discharge Efficiency	95.0 %					
COMMUNICATION						
Display	LCD					
Communication	Standart : RS485 / CAN / DRM, Optional : WiFi / 4G					
STANDARD COMPLIANCE						
Certificates	CA, TUV, SAA, NRS					
GENERAL DATA						
Dimension (W x H x D)	550 x 515 x 200 mm					
Weight	25 kg					
Operation Temperature	-25°C ~ +60°C					