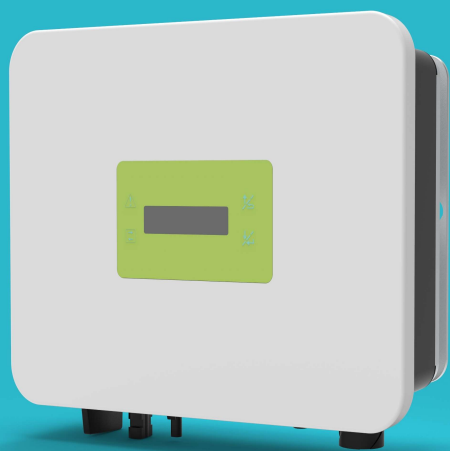




SEP-S series

SEP1000S/SEP1500S

Compact and Robust

- Light weight, less than 6kg for 1.5kWw inverter
- IP65, ensuring waterproof and dustproof
- CapSense Button design for great water proof performance

High Conversion Efficiency

- High conversion efficiency up to 97.2%
- Enhanced dynamic MPPT algorithm, ensure real-time and accurate

Easy Operation, Intelligent Monitoring

- Support GPRS, WIFI and DRM0 remote intelligent monitoring system

Inverter	SEP1000S	SEP1500S
Input (DC)		
Max. DC Input Power [W]	1250	1750
Max. DC Voltage [V]	500	500
Operating MPPT Voltage Range [V]	60 - 450	60 - 450
Full Load MPPT Range [V]	100 - 400	150 - 400
Norminal Input Voltage [V]	380	380
Star Up Voltage/Initial Feeding Voltage [V]	70/100	70/100
Turn off Voltage [V]	50	50
Max. DC Current [A]	12	12
Number of MPP Trackers	1	1
Number of DC Connections/Tracker	1	1
Output (AC)		
Max. AC Output Power [VA]	1000	1500
Nominal AC Output Power [W]	1000	1500
Nominal AC Voltage [V]*	230	230
AC Voltage Range [V]	187 - 270	187 - 270
Nominal Frequency [Hz]*	50 / 60	50 / 60
Frequency Range [Hz]	47 - 52 / 57 - 62	47 - 52 / 57 - 62
Max. AC Current [A]	5	7.5
Power Factor	0.9i - 0.9c	0.9i - 0.9c
Total Harmonic Distortion (THD)	<3%	<3%
Efficiency		
Max. Efficiency	97.2%	97.2%
Euro Efficiency	96.7%	96.7%
MPPT Efficiency	99.9%	99.9%
loss at standby /loss at night	<5W / <0.5W	<5W / <0.5W
Safety and Protection		
Array ground insulation resistance monitoring	Yes	
Array polarity reverse protection	Yes	
Output short circuit protection	Yes	
Anti-island protection	Yes	
Surge protection	Yes	
Protection Class	I	
Overvoltage Category	PV II / Mains III	
General data		
Dimensions (WxHxD) [mm]	299*199*120	
Weight [kg]	5	5.5
Environmental Protection Rating	IP65	
Cooling Concept	Natural convection	
DC Switch	Optional	
DC Connertor	Amphenol connector	
AC Connertor	Plug-in connector	Plug-in connector
Mounting Information	Wall bracket	
Feature		
Operating Temperature Range [°C]	-25 ~ +60, derating when temperature>45°C	
Relative Humidity	0 - 95%,non condensing	
Max. Altitude (above sea level) [m]	<2000	
Noise Emission [dB]	< 25	
Topology	Transformerless	
Display	LCD, CapSense key	
Data Communication Interfaces	WiFi/GPRS optional	
Certification	AS 4777.2, C10/11, CE, CEI 0-21, EN 50438, G59/3-4, G83/2-1,DIN EN 62109 / IEC 62109, EN50438, RD1699, VDE-AR-N 4105,VDE0126-1-1,IEC 61727, IEC 62116	
Inverter	SEP1000S	SEP1500S
*The AC voltage and frequency range may vary depending on specific country grid		

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