

Single phase inverters 1 to 3 kW

ASW S-S Series



Models:

ASW1000S-S

ASW1500S-S

ASW2000S-S

ASW3000S-S



Easy-to-install

- Quick & easy-to-install with basic tools
- Quick setup and commissioning with Solplanet apps
- Compact wall mount design



Reliable

- International quality standards
- Integrated DC switch
- IP65 rated design for outdoor use



User-friendly

- User friendly app interface
- Online monitoring via Wi-Fi and Solplanet apps
- Distinguishable connection interfaces
- ShadeSol shadow management

Technical Datasheet

ASW1000S-S

ASW1500S-S

ASW2000S-S

ASW3000S-S

Input (DC)	Max. PV array power	1500 Wp STC	2250 Wp STC	3000 Wp STC	4500 Wp STC
	Max. input voltage	580 V			
	MPP voltage range / rated input voltage	80 V to 550 V / 360 V			
	Min. input voltage	80 V			
	Initial. feed in voltage	100 V			
	Max. operating input current	12 A			
	Max. short circuit current	18 A			
	No. of independent MPPT inputs / strings per MPPT input	1 / 1			
Output (AC)	Rated active power	1000 W	1500 W	2000 W	3000 W
	Rated apparent power	1000 VA	1500 VA	2000 VA	3000 VA
	Max. apparent power	1000 VA	1500 VA	2000 VA	3000 VA
	AC nominal voltage	220 V / 230 V / 240 V			
	AC voltage range	180 V to 290 V			
	AC grid frequency / range	50 Hz / 45 Hz to 55 Hz 60 Hz / 55 Hz to 65 Hz			
	Max. output current	5 A	7.5 A	10 A	13.6 A
	Adjustable power factor range	0.8 leading to 0.8 lagging			
	Feed-in phases	1			
	Harmonic distortion (THD) at rated output	< 3 %			
Efficiency & Protection	Max. efficiency / European efficiency	97.4 % / 95.4 %	97.6 % / 96.3 %	97.6 % / 96.8 %	97.6 % / 97.1 %
	DC switch	●			
	Ground fault monitoring / grid monitoring	● / ●			
	DC reverse polarity protection / AC short circuit protection	● / ●			
	All-pole-sensitive residual-current monitoring unit	●			
	Anti-islanding Protection	●			
	Protection class (according to IEC 62109-1) / overvoltage category (according to IEC 62109-1)	I / AC : III ; DC : II			
General data	Dimensions (W / H / D)	320 / 264 / 94 mm			
	Weight	6.5 kg			
	Operating temperature range	-25°C ... +60°C			
	Self-consumption (at night)	< 1 W			
	Topology	Non-isolated			
	Cooling concept	Natural convection			
	Degree of protection (according to IEC 60529)	IP65			
	Climatic category (according to IEC 60721-3-4)	4K4H			
	Max. permissible value for relative humidity (non-condensing)	100%			
	Max. operating altitude	3000 m			
Features	DC connection	Plug-in connector			
	AC connection	Plug-in connector			
	Mounting type	Wall-mount bracket			
	LED indicators (Status / Fault / Communication)	●			
	Communication interface ^{1&2}	Wi-Fi / RS485 (Optional)			
	Country of manufacture	China			
	Certificates and approvals (more available on request)	CE, IEC62109, IEC61000, EN50549, AS/NZS 4777, C10/C11, IEC61727, IEC62116, IEC61683			

● standard features ○ optional features - not available

1) 2-pin RS485 connection to approved smart meters for export power control applications

2) DRED function supported via RS485 for Australia & New Zealand

Version: Nov 2022

