

Single phase inverters 1 to 3 kW

ASW S-S Series



Models:

ASW1000S-S

ASW1500S-S

ASW2000S-S

ASW3000S-S



Easy-to-install

- Toolless DC connection via Phoenix Contact connectors
- Quick setup and commissioning with AiSWEI 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 AiSWEI apps
- Distinguishable connection interfaces

Technical Datasheet

ASW1000S-S

ASW1500S-S

ASW2000S-S

ASW3000S-S

		1500 Wp STC	2250 Wp STC	3000 Wp STC	4500 Wp STC
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 power	1000 W	1500 W	2000 W	3000 W
	Max. apparent AC 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	●			
	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	Transformerless			
	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	Phoenix contact			
	AC connection	Plug-in connector			
	Mounting type	Wall-mount bracket			
	LED indicators (Status / Fault / Communication)	●			
	Communication interface ^{1&2}	Wi-Fi / RS485 (Optional)			
	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: November 2021

