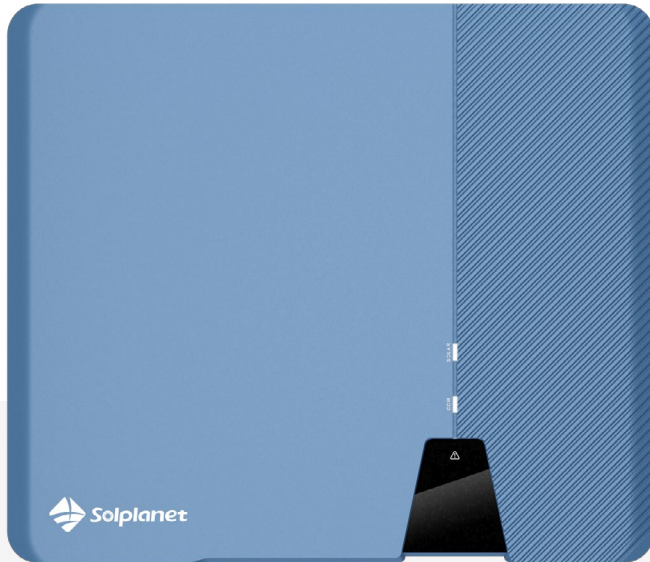


Single phase inverters 1 to 2.5 kW

ASW S-G2 Series



Models:

ASW1000-S-G2

ASW1500-S-G2

ASW2000-S-G2

ASW2500-S-G2



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
- IP66 rated design for outdoor use



User-friendly

- 16 A input current, compatible with bifacial and large area PV modules
- Optional AC Power Supply
- ShadeSol shadow management
- Support anti-backflow function

Technical Datasheet

ASW1000-S-G2

ASW1500-S-G2

ASW2000-S-G2

ASW2500-S-G2

	ASW1000-S-G2	ASW1500-S-G2	ASW2000-S-G2	ASW2500-S-G2
Input (DC)	Max. PV array power	1500 Wp STC	2250 Wp STC	3000 Wp STC
	Max. input voltage	600 V	600 V	600 V
	MPP voltage range	60 V to 560 V / 360 V		
	Full load MPP voltage range	200-500V		
	Min. input voltage	60 V		
	Initial. feed in voltage	100 V		
	Max. operating input current	16 A		
	Max. short circuit current	24 A		
	No. of independent MPPT inputs / strings per MPPT input	1 / 1		
Output (AC)	Rated active power	1000 W	1500 W	2000 W
	Rated apparent power	1000 VA	1500 VA	2000 VA
	Max. apparent power	1100 VA	1650 VA	2200 VA
	AC nominal voltage	220 V / 230 V / 240 V		
	AC voltage range	180 V to 295 V		
	AC grid frequency / range	50 Hz / 45 Hz to 55 Hz 60 Hz / 55 Hz to 65 Hz		
	Max. output current (A)	5A	7.5 A	10 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	97.6% / 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	●		
	Surge protection	● / Type II		
	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)	368*325*145 mm		
	Weight	9.5 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)	IP66		
	Climatic category (according to IEC 60721-3-4)	4K4H		
	Max. permissible value for relative humidity (non-condensing)	100%		
	Max. operating altitude	4000 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)}	●/●/○/○ (RS485 /Wi-Fi/ LAN /4G)		
	Country of manufacture	China		
	Certificates and approvals(more available on request)	IEC 62109-1/2, EN50549-1, C10/C11,VDE-AR-N 4105		

● Standard features / ○ optional features / – not available

Data at nominal conditions. All information is subject to change.

1- Zero export installations supported with 2-pin RS485 for connection to approved smart meters.

2- DRED supported with RS485 communication for Australia & New Zealand

Version: Oct 2023

