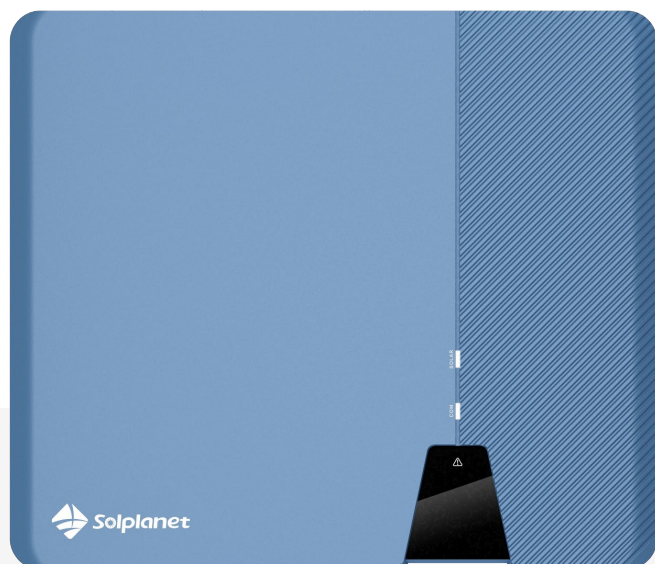


Single phase inverters 1 to 2.5 kW

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



Safe & 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

Input (DC)	Max. PV array power	1500 Wp STC		2250 Wp STC		3000 Wp STC		3750 Wp STC	
	Max. input voltage	600 V		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		2500 W	
	Rated apparent power	1000 VA		1500 VA		2000 VA		2500 VA	
	Max. apparent power	1000 VA		1500 VA		2000 VA		2500 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		12.5 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	●							
	Arc fault circuit interrupter (AFCI)	○							
	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)	●							
	24/7 monitoring	●							
	Communication interface ¹⁾	●/●/●/○ (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.

Version: Sep 2024.

