

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
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			
Efficiency & Protection	Harmonic distortion (THD) at rated output	<3%			
	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	●			
	Night monitoring	●			
	Surge protection	● / Type II			
General data	Protection class (according to IEC 62109-1) / overvoltage category (according to IEC 62109-1)	I / AC: III; DC: II			
	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			
Features	Max. permissible value for relative humidity (non-condensing)	100%			
	Max. operating altitude	4000 m			
	DC connection	Plug-in connector			
	AC connection	Plug-in connector			
	Mounting type	Wall-mount bracket			
	LED indicators (Status / Fault / Communication)	●			
	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.

ASW S-G2 Series



Models:

- ASW3000-S-G2
- ASW3680-S-G2
- ASW4000-S-G2
- ASW5000-S-G2
- ASW6000-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
- 2 MPPTs for flexible PV array design

Technical Datasheet

	ASW3000-S-G2	ASW3680-S-G2	ASW4000-S-G2	ASW5000-S-G2	ASW6000-S-G2
Input (DC)	Max. PV array power	4500 Wp STC	5520 Wp STC	6000 Wp STC	7500 Wp STC
	Max. input voltage	600V			
	MPP voltage range / rated input voltage	60V-560V/360V			
	Min. input voltage	60V			
	Initial. feed in voltage	100V			
	Max. operating input current	16A			
	Max. short circuit current	24A			
	No. of independent MPPT inputs / strings per MPPT input	2/1			
Output (AC)	Rated active power	3000 W	3680 W	4000 W	5000 W
	Rated apparent power	3000 VA	3680 VA	4000 VA	5000 VA
	Max. apparent power	3000 VA	3680 VA	4000 VA	5000 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	15A	16A	20A	25A
	Adjustable power factor range	1 / 0.8 leading ... 0.8 lagging			
Efficiency & Protection	Feed-in phases	1			
	Harmonic distortion (THD) at rated output	< 3%			
	Max. efficiency / European efficiency	98.2% / 97.5%			
	DC switch	●			
	Ground fault monitoring / grid monitoring	● / ●			
	DC reverse polarity protection / AC short circuit Protection	● / ●			
	All-pole-sensitive residual-current monitoring unit	●			
	Surge protection	● / Type II			
General data	Anti-Islanding protection	●			
	Night monitoring	●			
	Protection class (according to IEC 62109-1) / overvoltage category (according to IEC 62109-1)	I / AC: III; DC: II			
	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			
Features	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			
	DC connection	Plug-in connector			
	AC connection	Plug-in Connector			
	Mounting type	Wall-mount bracket			
	LED Indicators (Status / Fault / Communication)	●			
	Communication interface¹	●/●/○/○ (RS485 /Wi-Fi/ LAN /4G)			
	Country of manufacture	China			
	Certificates and approvals(more available on request)	AS/NZS 4777.2,IEC 62109-1/2, IEC 61727, IEC 62116, NB/T32004			

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