

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
- Shadow management solution
- Support anti-backflow function
- 2 MPPT's for flexible PV array design

Technical Datasheet

ASW3000-S-G2 ASW3680-S-G2 ASW4000-S-G2 ASW5000-S-G2 ASW6000-S-G2

	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	9000 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	6000 W
	Rated apparent power	3000 VA	3680 VA	4000 VA	5000 VA	6000 VA
	Max. apparent power	3300 VA ³	3680 VA ³	4400 VA ³	5500 VA ³	6600 VA ³
	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 - 55 Hz 60 Hz / 55 Hz - 65 Hz				
	Max. output current	15A	16A	20A	25A ⁴	30A
	Adjustable power factor range	1 / 0.8 leading ... 0.8 lagging				
	Feed-in phases	1				
	Harmonic distortion (THD) at rated output	<= 3%				
Efficiency & Protection	Max. efficiency / European efficiency	97.8% / 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				
	Anti-Islanding protection	●				
	Night monitoring	○				
	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}	Wi-Fi / 4G / RS485 (Optional)				
	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					

● 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

3- For European and AS/NZS4777.2 grid codes the max. apparent AC power is equal to the rated power

4- Max. output current limited to 21.7 A when set to the AS/NZS 4777.2 grid code