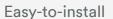
## **ASW S-G2 Series**



Models: ASW3000-S-G2 ASW3680-S-G2 ASW4000-S-G2 ASW5000-S-G2





- 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

	chnical Datasheet  Max. PV array power	ASW3000-S-G2 4500 Wp STC	ASW3680-S-G2 5520 Wp STC	ASW4000-S-G2 6000 Wp STC	ASW5000-S-G2 7500 Wp STC	ASW6000-S-G 9000 Wp STC
	Max. input voltage	<u>'</u>	·	600V	'	·
	MPP voltage range / rated input voltage	60V-560V/360V				
	Min. input voltage					
	Initial. feed in voltage	60V				
		100V				
Input (DC)	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 <sup>3</sup>	3680 VA <sup>3</sup>	4400 VA <sup>3</sup>	5500 VA <sup>3</sup>	6600 VA <sup>3</sup>
	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 <sup>4</sup>	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	0				
	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)	-25°C +00°C				
	Topology	Non-isolated				
		Natural Convection				
General data	Cooling concept					
	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)	•				
Features	Communication interface <sup>1&amp;2</sup>	Wi-Fi / 4G / RS485 (Optional)				
	Country of manufacture	China				
	"Certificates and approvals	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  $% \left( 1\right) =0$  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