

Single phase inverters 3 to 6 kW

ASW S-G2 Series



Models:

ASW3000-S-G2

ASW3680-S-G2

ASW4000-S-G2

ASW5000-S-G2

ASW6000-S-G2



Easy-to-install

- Quick and easy-to-install with standard tools
- Smart setup, commissioning and monitoring via Solplanet App
- Compact wall mount design



Reliable

- Internationally accredited standards
- Integrated DC switch
- IP66 rated design for indoor and outdoor use



User-friendly

- 16 A input current, compatible with bifacial and large area PV modules
- Optional AC Power Supply
- ShadeSol - improved generation under non-ideal conditions
- Supports zero export applications
- 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	9000 Wp STC
	Max. input voltage	600 V				
	MPP voltage range / rated input voltage	60 V - 560 V / 360 V				
	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	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	3000 VA	3680 VA	4000 VA	5000 VA	6000 VA
	AC nominal voltage	220 V / 230 V / 240 V				
	AC voltage range	180 V - 295 V				
	AC grid frequency / range	50 Hz / 45 Hz - 55 Hz 60 Hz / 55 Hz - 65 Hz				
	Max. output current	15 A	16 A	20 A	25 A	30 A
	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	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				
	Arc fault circuit interrupter (AFCI)	○				
	Anti-Islanding protection	●				
	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				
	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	● / ● / ○ / ○ (RS485 / Wi-Fi / LAN / 4G)				
	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