

Single phase inverters 3 to 5 kW

ASW S Series



Models:

ASW3000-S

ASW3680-S

ASW4000-S

ASW5000-S



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
- IP65 rated design for outdoor use



User-friendly

- User friendly app interface
- Online monitoring via Wi-Fi and Solplanet apps
- Dual MPPT's for flexible PV array design
- ShadeSol shadow management

Technical Datasheet

ASW3000-S

ASW3680-S

ASW4000-S

ASW5000-S

	ASW3000-S	ASW3680-S	ASW4000-S	ASW5000-S
Input (DC)	Max. PV array power	4500 Wp STC	5520 Wp STC	6000 Wp STC
	Max. input voltage	580 V		
	MPP voltage range / rated input voltage	80 V to 550 V / 360 V		
	Min. input voltage	80 V		
	Initial. feed in voltage	100 V		
	Max. operating input current	12 A / 12A		
	Max. short circuit current	18 A / 18A		
	No. of independent MPPT inputs / strings per MPPT input	2 / 1		
Output (AC)	Rated active power	3000 W	3680 W	4000 W
	Rated apparent power	3000 VA	3680 VA	4000 VA
	Max. apparent power	3000 VA	3680 VA	4000 VA
	AC nominal voltage	220 V / 230 V / 240 V		
	AC voltage range	180 V to 290 V		
	AC grid frequency / range	50 Hz / 45 Hz to 55 Hz 60 Hz / 55 Hz to 65 Hz		
	Max. output current	15 A	16 A	20 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	97.85% / 97.3%	97.85% / 97.5%	97.85% / 97.5%
	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	●		
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)	376 / 355 / 145 mm		
	Weight	12 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)	IP65		
	Climatic category (according to IEC 60721-3-4)	4K4H		
	Max. permissible value for relative humidity (non-condensing)	100%		
Max. operating altitude	3000 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	Wi-Fi / 4G / RS485 (Optional)		
	Country of manufacture	China		
	Certificates and approvals (more available on request)	CE, IEC62109, IEC61000, AS/NZS 4777, EN50549, VFR 2014 & UTE C15-712-1, CEI 0-21, C10/C11, NBR16149, IEC61727, IEC62116, IEC61683		

● standard features ○ optional features - not available

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

1- DRED function supported via RS485 for Australia & New Zealand

Version: Nov 2022

