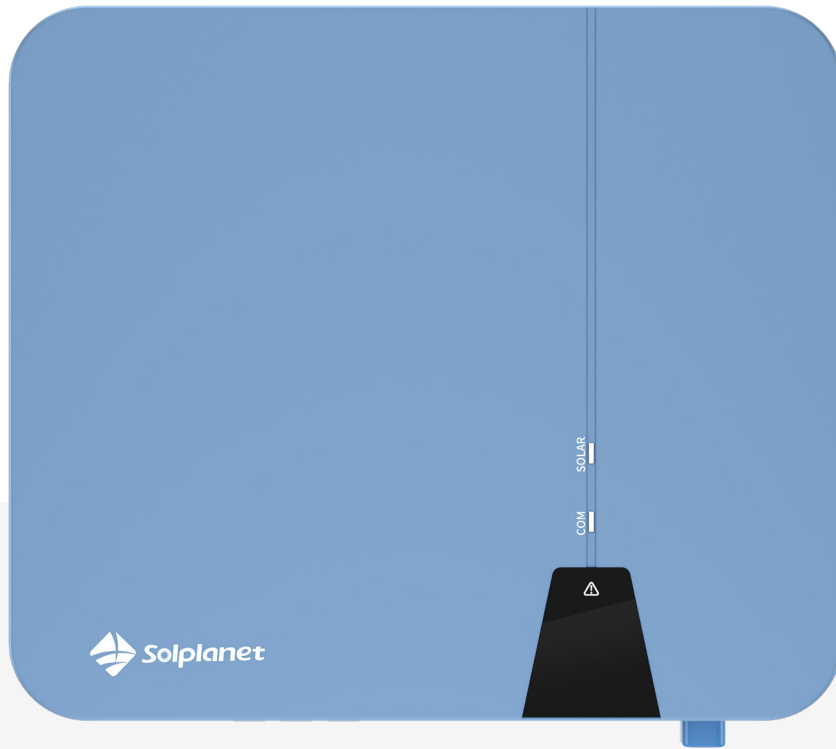


Single phase inverters 7.3 to 10 kW

ASW S Series



Models:

ASW7300-S

ASW7500-S

ASW8000-S

ASW9100-S

ASW10000-S



Easy-to-install

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



Safe & 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
- 3 MPPTs for flexible PV array design
- ShadeSol - improved generation under non-ideal conditions

Technical Datasheet

	ASW7300-S	ASW7500-S	ASW 8000-S	ASW9100-S	ASW 10000-S	
Input (DC)	Max. PV array power	12000 Wp STC	12000 Wp STC	12000 Wp STC	15000 Wp STC	15000 Wp STC
	Max. input voltage	600 V				
	MPP voltage range	80 V - 560 V / 360 V				
	Min. input voltage	80 V				
	Initial. feed in voltage	100 V				
	Max. operating input current	16 A / 16 A / 16 A	16 A / 16 A / 16 A	16 A / 16 A / 16 A	20 A / 16 A / 20 A	20 A / 16 A / 20 A
	Max. short circuit current	22.5 A / 22.5 A / 22.5 A	22.5 A / 22.5 A / 22.5 A	22.5 A / 22.5 A / 22.5 A	28 A / 22.5 A / 28 A	28 A / 22.5 A / 28 A
	No. of independent MPPT inputs / strings per MPPT input	3 / 1	3 / 1	3 / 1	3 / 1	3 / 1
Output (AC)	Rated active power	7300 W	7500 W	8000 W	9100 W	10000 W
	Rated apparent power	7300 VA	7500 VA	8000 VA	9100 VA	10000 VA
	Max. apparent power	8800 VA	8800 VA	8800 VA	11000 VA	11000VA
	AC nominal voltage	220 V / 230 V / 240 V				
	AC voltage range	180 V - 295 V				
	AC grid frequency / range	50 Hz / 45 Hz to 55 Hz 60 Hz / 55 Hz to 65 Hz				
	Max. output current	40 A	40 A	40 A	50 A	50 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	97.7 % / 97.3 %				
	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	●				
	Surge protection	● / Type II				
	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)	488 / 418 / 176.5 mm				
	Weight	13.0 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	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&2}	●/●/○/○ (RS485 /Wi-Fi/ LAN /4G)				
	Country of manufacture	China				
	Certificates and approvals (more available on request)	CE, EN50549, IEC62109, IEC62116, IEC61727, IEC61683, IEC60068, IEC61000, AS/NZS4777, C10/C11				

● standard features ○ optional features - not available

Data at nominal conditions. All information is subject to change.

1) 2-pin RS485 to approved smart meters for export power control applications

