Single phase inverters 6 to 10 kW

ASW S Series



Models:
ASW6000-S
ASW8000-S
ASW10000-S

Easy-to-install

- Quick and 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

- 16A 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

		ASW6000-S	ASW8000-S	ASW10000-S
Input (DC)	Max. PV array power	9000 Wp STC	12000 Wp STC	15000 Wp STC
	Max. input voltage	600 V		
	MPP voltage range / rated input voltage	80 V - 560 V / 360 V		
	Min. input voltage	80 V		
	Initial. feed in voltage	100 V		
	Max. operating input current	16 A		
	Max. short circuit current	22.5 A		
	No. of independent MPPT inputs / strings per MPPT input	3 / 1		
Output (AC)	Rated active power	6000 W	8000 W	10000 W
	Rated apparent power	6000 VA	8000 VA	10000 VA
	Max. apparent power	6000 VA	8000 VA	10000 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	30 A	40 A	50 A
	Adjustable power factor range	0.8 leading - 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)	503 / 435 / 183 mm		
	Weight	19.0 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		
	Relative humidity	0 - 100 % (Non-condensing)		
	Max. operating altitude	3000 m		
Features	DC connector	Plug-in connector		
	AC connector	Plug-in connector		
	Mounting type	Wall-mount bracket		
	LED indicators (Status / Fault / Communication)	●		
	24/7 monitoring	●		
	Communication interface	●/●/● (RS485[1] / Wi-Fi / LAN)		
	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

[1] RS485 to approved smart meters for export power control applications