

Single phase inverters 6 to 10 kW

ASW S Series



Models:

ASW6000-S-A

ASW8000-S-A

ASW10000-S-A



Easy-to-install

- Toolless DC connection via Phoenix Contact connectors
- Quick setup and commissioning with AiSWEI 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
- Online monitoring via Wi-Fi and AiSWEI apps
- 3 MPPT's for flexible PV array design

Technical Datasheet

ASW6000-S-A

ASW8000-S-A

ASW10000-S-A

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	6600 VA	8800 VA	10000 VA
	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 to 55 Hz 60 Hz / 55 Hz to 65 Hz		
	Max. output current	30 A	40 A	45.5 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	●		
	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	< 18 kg		
	Operating temperature range	-25°C ... +60°C		
	Self-consumption (at night)	< 1 W		
	Topology	Transformerless		
	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	Phoenix contact		
	AC connection	Plug-in connector		
	Mounting type	Wall-mount bracket		
	LED indicators (Status / Fault/ Communication)	●		
	Communication interface ^{1&2}	Wi-Fi / RS485		
	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

1- Zero export installations supported with 2-pin RS485 for connection to approved smart meters

2- DRED supported with RS485 communication for Australia & New Zealand

3- For European region ,Models are“-S”;For Australia region,,Models are“-S-A”.

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