

Three phase inverters 3 to 10 kW

ASW T Series



Models:

ASW3000-T

ASW4000-T

ASW5000-T

ASW6000-T

ASW8000-T

ASW10000-T



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

Technical Datasheet

ASW 3000-T

ASW 4000-T

ASW 5000-T

ASW 6000-T

ASW 8000-T

ASW 10000-T

Input (DC)	Max. PV array power	4500 Wp STC	6000 Wp STC	7500 Wp STC	9000 Wp STC	12000 Wp STC	15000 Wp STC
	Max. input voltage	1000 V					
	MPP voltage range / rated input voltage	125 V to 950 V / 630 V					
	Min. input voltage	130 V					
	Initial. feed in voltage	150 V					
	Max. operating input current	12 A / 12 A					
	Max. short circuit current	18 A / 18 A					
	No. of independent MPPT inputs / strings per MPPT input	2 / A :1 ; B : 1					
Output (AC)	Rated active power	3000 W	4000 W	5000 W	6000 W	8000 W	10000 W
	Rated apparent power	3000 VA	4000 VA	5000 VA	6000 VA	8000 VA	10000 VA
	Max. apparent power	3000 VA	4000 VA	5000 VA	6000 VA	8000 VA	10000 VA
	AC nominal voltage	220 V / 380 V 230 V / 400 V 240 V / 415 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	5 A	6.7 A	8.4 A	9.1 A	13.3 A	15.2 A
	Adjustable power factor range	0.8 leading to 0.8 lagging					
	Feed-in phases / connection type	3 / 3-N -PE					
	Harmonic distortion (THD) at rated output	< 3%					
Efficiency & Protection	Max. efficiency / European efficiency	98.2% / 96.6%	98.2% / 97.2%	98.2% / 97.5%	98.2% / 97.6%	98.3% / 98.0%	98.3% / 98.0%
	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					
	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)	424 / 375 / 172 mm					
	Weight	14 kg	14 kg	14 kg	14 kg	15 kg	15 kg
	Operating temperature range	-25°C ... +60°C					
	Noise emission (typical)	< 35 dB(A)	< 35 dB(A)	< 35 dB(A)	< 35 dB(A)	< 45 dB(A)	< 45 dB(A)
	Self-consumption (at night)	< 1 W					
	Topology	Non-isolated					
	Cooling concept	Natural convection				Active cooling	
	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&2}		Wi-Fi / RS485 (Optional)					
Country of manufacture		China					
Certificates and approvals (more available on request)		CE, EN50549, G98/99, AS/NZS 4777, C10/C11, IEC62109, IEC62116, IEC61727, IEC61683, IEC60068, IEC61000					

● Standard features / ○ optional features / – not available

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

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

Version: July 2022

