

Three phase string 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
- Compact, wall mount and SUNCLIX connection
- Quick Wi-Fi set up with app



Reliable

- International quality standards
- Integrated 150% range DC/AC switch
- IP65 waterproof for outdoor use



User-friendly

- Smart monitoring with user-friendly app
- Discrete design that fits anywhere
- Dual MPPT for flexible installation

Technical Data Sheet

ASW 3000-T ASW 4000-T ASW 5000-T ASW 6000-T ASW 8000-T ASW 10000-T

	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					
	Number of independent MPP inputs/strings per MPPT input	2 / A : 1 ; B : 1					
Output (AC)	Rated power	3000 W	4000 W	5000 W	6000 W	8000 W	10000 W
	Max apparent AC power	3000 VA	4000 VA	5000 VA	6000 VA	8800 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					
	Rated grid frequency / rated grid voltage	50 Hz / 230 V					
	Max output current	5 A	6.7 A	8.4 A	9.1 A	13.3 A	15.2 A
	Power factor at rated power	1					
	Adjustable displacement power factor	0.8 overexcited to 0.8 underexcited					
	Feed-in phases	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%
	Input-side disconnection device	●					
	Ground fault monitoring / grid monitoring	● / ●					
	DC reverse polarity protection / AC short circuit current capability	● / ●					
	All-pole-sensitive residual-current monitoring unit	●					
	Protection class(according to IEC 62109-1) / overvoltage category (according to IEC 62109-1)	1/AC: III; DC :II					
General data	Dimensions (W / H / D)	424/375/172 mm					
	Weight	13.5 kg	13.5 kg	13.5 kg	13.5 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)	<1W					
	Topology	Transformerless					
	Cooling concept	Convection	Convection	Convection	Convection	Fan cooling	Fan 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	SUNCLIX (Phoenix Contact)					
	AC connection	Plug-in Connector					
	Mounting type	Wall-mounting bracket					
	LED Indicators (Status / Fault/ Communication)	●					
	Communication interface ^{1&2}	Wi-Fi / RS485					
	Certificates and approvals (more available on request)	CE, EN50549, G98/99, VDE-AR-N4105, AS/NZS 4777, C10/C11, VFR 2014 & UTE C15, IEC62109, IEC62116, IEC61727, IEC61683, IEC60068, IEC61000, NB/T 32004					

● 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

Version: October 2020

