

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

- 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
- IP65 rated design for outdoor use



## User-friendly

- User friendly app interface
- Online monitoring via Wi-Fi and AiSWEI 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 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	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%
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)	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)	< 1 W					
	Topology	Transformerless					
	Cooling concept	Natural convection	Natural convection	Natural convection	Natural convection	Active cooling	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	Phoenix contact					
	AC connection	Plug-in connector					
	Mounting type	Wall-mount bracket					
	LED indicators (Status / Fault / Communication)	●					
	Communication interface <sup>1&amp;2</sup>	Wi-Fi / RS485 (Optional)					
	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- 2-pin RS485 connection to approved smart meters for export power control applications

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

Version: November 2021

