

Three phase string inverters 15 to 20 kW

ASW LT Series



Models:
ASW15K-LT
ASW20K-LT



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 large 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

ASW15K-LT

ASW20K-LT

Input (DC)	Max PV array power	19500 Wp STC	26000 Wp STC
	Max input voltage	1000 V	
	MPP voltage range / rated input voltage	150 V to 1000 V / 630 V	
	Min input voltage	150 V	
	Initial feed-in voltage	188 V	
	Max operating input current	24 A / 12 A	24 A / 24 A
	Max short circuit current	36 A / 18A	36 A / 36A
	Number of independent MPP inputs / strings per MPP input	2 / A: 2; B: 1	2 / A: 2; B: 2
Output (AC)	Rated power	15000 W	20000 W
	Max apparent AC power	15000 VA	20000 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	3 × 25 A	3 × 32 A
	Power factor at rated power	1	
	Adjustable displacement power factor	0.8 overexcited to 0.8 underexcited	
	Feed-in phases	1	
	Harmonic distortion (THD) at rated output	<3%	
Efficiency & Protection	Max efficiency / European efficiency	98.5%	98.2%
	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)	490/497/212.5 mm	
	Weight	26 kg	
	Operating temperature range	-25°C – +60°C	
	Noise emission (typical)	< 45 dB(A)	
	Self-consumption (at night)	<1W	
	Topology	Transformerless	
	Cooling concept	Convection	
	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 ,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

