

Three phase inverters 8 to 20 kW

ASW LT-G2 Series



Models:

ASW8K-LT-G2
ASW10K-LT-G2
ASW12K-LT-G2
ASW15K-LT-G2
ASW17K-LT-G2
ASW20K-LT-G2



Easy-to-install

- Quick and easy-to-install with standard tools
- Smart setup, commissioning and monitoring via Solplanet App
- Compact wall mount design



Safe & reliable

- Internationally accredited standards
- 150 % PV array oversizing for higher yields
- IP66 rated design for indoor and outdoor use



User-friendly

- 13 A input current, ideal for bifacial and large area PV modules
- Wide MPP voltage range 150V-1000V
- ShadeSol - improved generation under non-ideal conditions

Technical Datasheet

ASW 8K-LT-G2 ASW 10K-LT-G2 ASW 12K-LT-G2 ASW 15K-LT-G2 ASW 17K-LT-G2 ASW 20K-LT-G2

Input (DC)	Max. PV array power	12000 Wp STC	15000 Wp STC	18000 Wp STC	22500 Wp STC	25500 Wp STC	30000 Wp STC
	Max. input voltage	1100 V					
	MPP voltage range / rated input voltage	150 V to 1000 V / 630 V					
	Min. input voltage	125 V					
	Initial. feed-in voltage	150 V					
	Max. operating input current	26 A / 13 A	26 A / 13 A	26 A / 26 A	26A/26A	26A/26A	26A/26A
	Max. short circuit current	40 A / 20 A	40 A / 20 A	40 A / 40 A	40A /40 A	40A/40A	40A/40A
	No. of independent MPPT inputs /strings per MPPT input	2 / A:1;B:1	2 / A:1;B:1	2 / A:2;B:1	2/A:2;B:1	2 / A:2;B:2	2 / A:2;B:2
Output (AC)	Rated active power	8000 W	10000 W	12000 W	15000 W	17000 W	20000 W
	Rated apparent power	8000 VA	10000 VA	12000 VA	15000 VA	17000 VA	20000 VA
	Max. apparent power	8000 VA	10000 VA	12000 VA	15000 VA	17000 VA	20000 VA
	AC nominal voltage	220 V / 380 V 230 V / 400 V 240 V / 415 V					
	AC voltage range	160 V to 300 V					
	AC grid frequency / range	50 Hz / 45 Hz to 55 Hz 60 Hz / 55 Hz to 65 Hz					
	Max. output current	12.8 A	16 A	19.1 A	24 A	27.1 A	31.9 A
	Adjustable power factor range	0.8 leading to 0.8 lagging					
	Feed-in phases	3 / 3-N-PE					
	Harmonic distortion (THD) at rated output	<3 %					
Efficiency & Protection	Max. efficiency / European efficiency	98.6 % / 98.2 %					
	DC Switch	●					
	Ground fault monitoring / grid monitoring	● / ●					
	DC reverse polarity protection / AC short circuit protection	● / ●					
	All-pole-sensitive residual-current monitoring unit	●					
	Anti-Islanding protection	●					
	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)	503 / 435 / 183 mm					
	Weight	16 kg		17 kg			
	Operating temperature range	-25°C ... +60°C					
	Self-consumption (at night)	< 1 W					
	Topology	Non-isolated					
	Cooling concept	Natural convection		Active cooling			
	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	Plug-in connector					
	AC connection	Plug-in connector					
	Mounting type	Wall-mount bracket					
	LED indicators (Status / Fault / Communication)	●					
	Communication interface	●/●/●/○ (RS485 /Wi-Fi/ LAN /4G)					
	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
Data at nominal conditions. All information is subject to change.

