

Three phase inverters 8 to 20 kW

ASW LT-G2-A Series



Models:
 ASW8K-LT-G2-A
 ASW10K-LT-G2-A
 ASW12K-LT-G2-A
 ASW15K-LT-G2-A
 ASW17K-LT-G2-A
 ASW20K-LT-G2-A



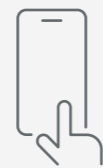
Easy-to-install

- Toolless DC connection via Phoenix Contact connectors
- Quick setup and commissioning with AiSWEI apps
- Compact wall mount design



Reliable

- International quality standards
- 150 % PV array oversizing for higher yields
- IP66 rated design for outdoor use



User-friendly

- User friendly app interface
- 20 A input current, ideal for bifacial and large area PV modules
- Wide MPP voltage range 150V-1000V

Technical Datasheet

	ASW 8K-LT-G2-A	ASW 10K-LT-G2-A	ASW 12K-LT-G2-A	ASW 15K-LT-G2-A	ASW 17K-LT-G2-A	ASW 20K-LT-G2-A	
Input (DC)	Max. PV array power	12000 Wp STC	15000 Wp STC	18000 Wp STC	22500 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	180 V					
	Max. operating input current	32 A / 16 A	32 A / 32 A	32 A / 32 A	32 A / 32 A	32 A / 32 A	32 A / 32 A
	Max. short circuit current	48 A / 24 A	48 A / 48 A	48 A / 48 A	48 A / 48 A	48 A / 48 A	48 A / 48 A
	No. of independent MPPT inputs / strings per MPPT input	2 / A:2;B:1	2 / A:2;B:2	2 / A:2;B:2	2/A:2;B:2	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	8000VA	10000VA	12000VA	15000VA	17000VA	20000 VA
	Max. apparent power	8000VA	10000VA	12000VA	15000VA	17000VA	22000VA
	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	●					
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	16 kg	16 kg	17kg	18kg	18kg
	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 ^{1&2}	Wi-Fi / 4G / RS485 (Optional)					
	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.

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