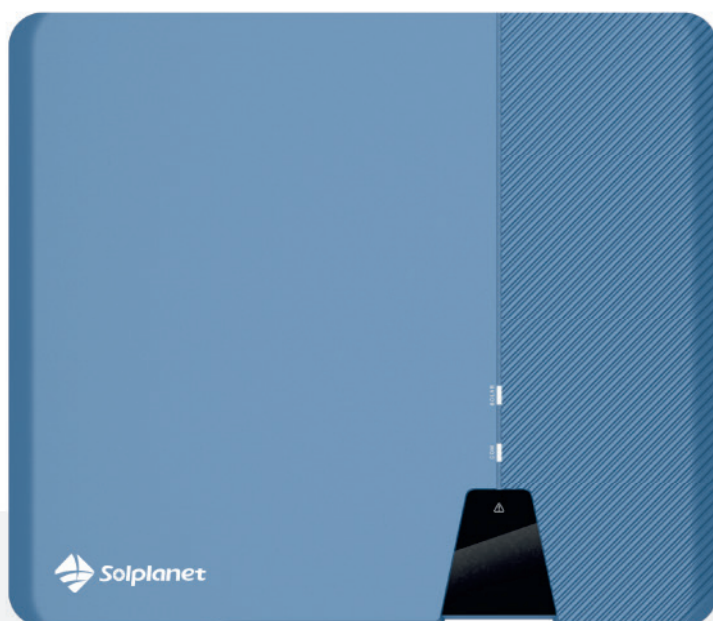


Three phase inverters 8 to 20 kW

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

- 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

- Wide MPP voltage range 150V-1000V
- ShadeSol - improved generation under non-ideal conditions

Technical Datasheet

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	25500 Wp STC	30000 Wp STC
	Max. input voltage	1100 V					
	MPP voltage range / rated input voltage	150 V - 1000 V / 630 V					
	Min. input voltage	125 V					
	Initial. feed-in voltage	180 V					
	Max. operating input current	32A / 16 A	32A / 32 A	32 A / 32 A	32 A / 32 A	32 A / 32 A	32 A / 32 A
	Max. short circuit current	48 A / 25 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
	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	22000 VA
	AC nominal voltage	220 V / 380 V					
AC voltage range	160 V - 300 V						
AC grid frequency / range	50 Hz / 45 Hz - 55 Hz 60 Hz / 55 Hz - 65 Hz						
Output (AC)	Nominal output current	11.6A	14.5A	17.4A	21.7A	24.6A	29.0A
	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 - 0.8 lagging					
	Feed-in phases	3 / 3-N-PE					
	Harmonic distortion (THD) at rated output	< 3 %					
	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					
	Surge protection	● / Type II					
General data	Dimensions (W / H / D)	503 / 435 / 183 mm					
	Weight	16 kg	16 kg	16 kg	17 kg	18 kg	18 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					
	Max. permissible value for relative humidity (non-condensing)	100 %					
	Max. operating altitude	3000 m					
	DC connection	Plug-in connector					
	AC connection	Plug-in connector					
	Mounting type	Wall-mount bracket					
Features	LED indicators (Status / Fault / Communication)	●					
	Communication interface ^{1&2}	● / ● / ○ / ○ (RS485 / Wi-Fi / LAN / 4G)					
	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
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
Data at nominal conditions. All information is subject to change.