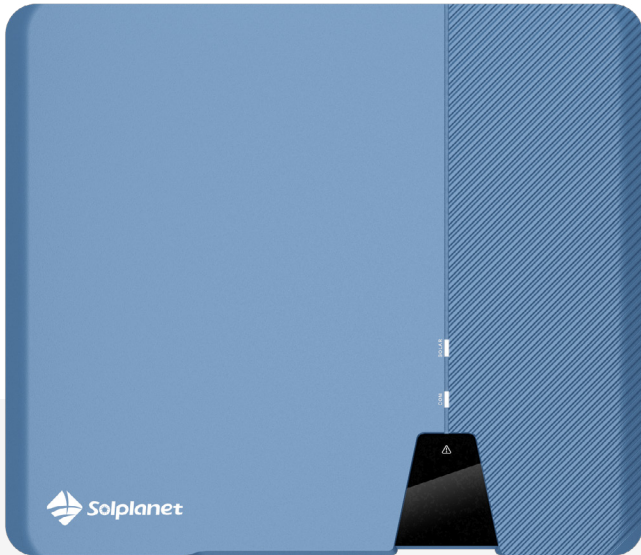


Three phase inverters 8 to 20 kW

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 & easy-to-install with basic tools
- Quick setup and commissioning with Solplanet 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
- 13 A input current, ideal for bifacial and large area PV modules
- Wide MPP voltage range 150V-1000V
- ShadeSol shadow management

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	8000VA	10000VA	12000VA	15000VA	17000VA	20000VA	
	Max. apparent power	8000VA	10000VA	12000VA	15000VA	17000VA	20000VA	
	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	17.3 kg	17.3 kg	17.3 kg	17.3 kg	18.6 kg	18.6 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.
Version: Mar 2023

