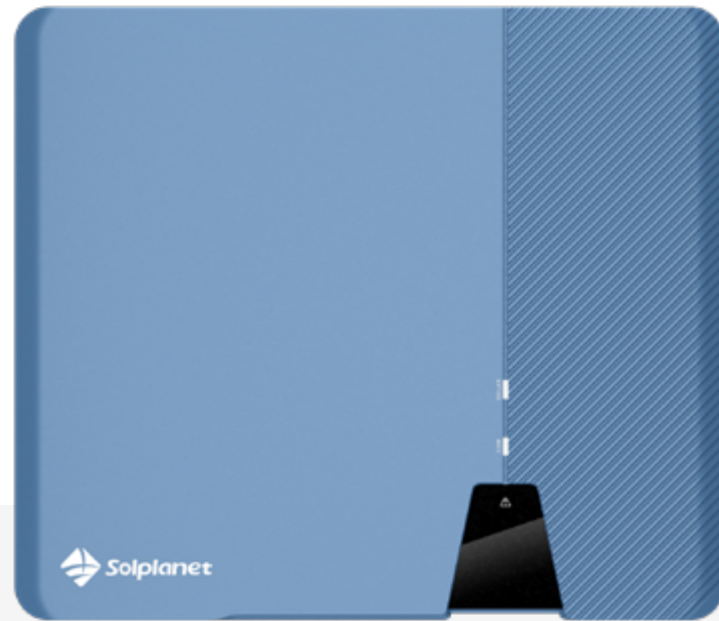


Three phase inverters 3 to 6 kW

ASW LT-G2-A Series



Models:
ASW3K-LT-G2-A
ASW4K-LT-G2-A
ASW5K-LT-G2-A
ASW6K-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
- 16 A input current, ideal for bifacial and large area PV modules
- Wide MPP voltage range 150V-1000V

Technical Datasheet

ASW 3K-LT-G2-A ASW 4K-LT-G2-A ASW 5K-LT-G2-A ASW 6K-LT-G2-A

	4500 Wp STC	6000 Wp STC	7500 Wp STC	9000 Wp STC	
Input (DC)	Max. PV array power	4500 Wp STC	6000 Wp STC	7500 Wp STC	9000 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	16 A / 16 A			
	Max. short circuit current	25 A / 25 A			
	No. of independent MPPT inputs / strings per MPPT input	2 / A : 1 ; B : 1			
Output (AC)	Rated active power	3000 W	4000 W	5000 W	6000 W
	Rated apparent Power	3000 VA	4000 VA	5000 VA	6000 VA
	Max. apparent power	3000 VA	4000 VA	5000 VA	6000 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	4.8 A	6.4 A	8.0 A	9.6 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	98.3 % / 97.9 %			
	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			
	Operating temperature range	-25°C ... +60°C			
	Self-consumption (at night)	< 1 W			
	Topology	Non-isolated			
	Cooling concept	Natural Convection			
	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, G98/99, VDE-AR-N4105, AS/NZS 4777, C10/C11, VFR 2014 & UTE C15, 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

Data at nominal conditions. All information is subject to change.