

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 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
- 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

	ASW 3K-LT-G2-A	ASW 4K-LT-G2-A	ASW 5K-LT-G2-A	ASW 6K-LT-G2-A	
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			
	Nominal output current	4.4A	5.8A	7.3A	8.7A
	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			
	Surge protection	● / Type 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	Phoenix Contact			
	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.

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