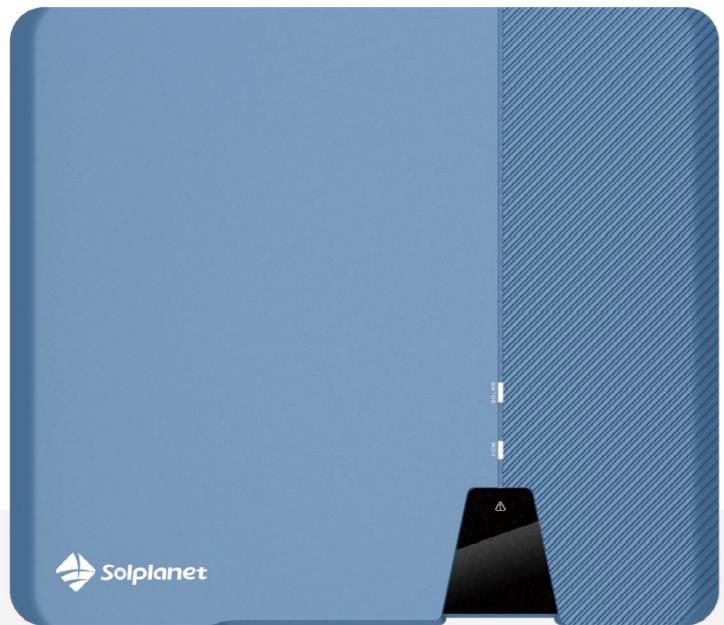


Three phase inverters 3 to 6 kW

ASW LT-G2-A Series



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
- IP65 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
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		
Input (DC)				
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		
Rated output current	4.8 A	6.4 A	8.0 A	9.6 A
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 %		
Output (AC)				
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		
Efficiency & Protection				
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)		IP65		
Climatic category (according to IEC 60721-3-4)		4K4H		
Max. permissible value for relative humidity (non-condensing)		100%		
Max. operating altitude		3000 m		
General data				
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		
Features				

● Standard features / ○ optional features / – not available

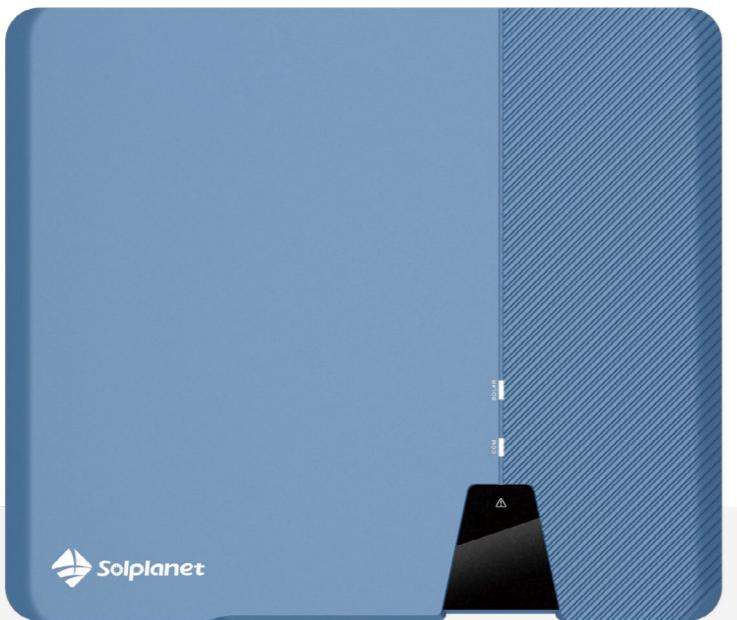
1-Zero export installations supported with 2-pin RS485 for connection to approved smart meters

2-DRED supported with RS485 communication for Australia & New Zealand

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

Three phase inverters 8 to 20 kW

ASW LT-G2-A Series



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
- IP65 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	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						180 V
Max. operating input current	32A / 16 A	32A / 32 A	32 A / 32 A	32 A / 32 A	32A/32A	32A/32A
Max. short circuit current	48 A / 24 A	48 A / 48 A	48 A / 48 A	48 A / 48 A	48A/48A	48A/48A
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	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
Rated output current	12.8 A	16 A	19.1 A	24 A	27.1 A	31.9 A
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 %
Output (AC)						
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
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)						IP65
Climatic category (according to IEC 60721-3-4)						4K4H
Max. permissible value for relative humidity (non-condensing)						100%
Max. operating altitude						3000 m
General data						
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, IEC62109, IEC62116, IEC61727, IEC61683, IEC60068, IEC61000, AS/NZS4777, C10/C11
Features						
● Standard features / ○ optional features / - not available						

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

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2-DRED supported with RS485 communication for Australia & New Zealand