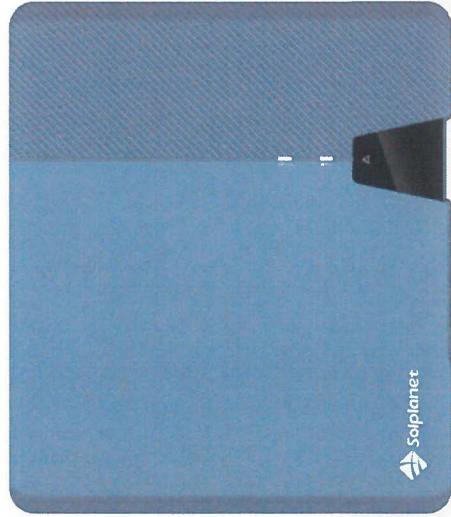
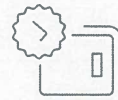


Three phase inverters 3 to 10 kW

ASW LT-G2 Pro Series



Models:
 ASW3K-LT-G2 Pro
 ASW4K-LT-G2 Pro
 ASW5K-LT-G2 Pro
 ASW6K-LT-G2 Pro
 ASW8K-LT-G2 Pro
 ASW10K-LT-G2 Pro



Reliable

- International quality standards
- 150 % PV array oversizing for higher yields
- IP66 rated design for outdoor use



Easy-to-install

- Quick & easy-to-install with basic tools
- Quick setup and commissioning with Solplanet apps
- Compact wall mount design



User-friendly

- User friendly app interface
- Max 20 A input current, ideal for bifacial and large area PV modules
- Wide MPP voltage range 150V-1000V

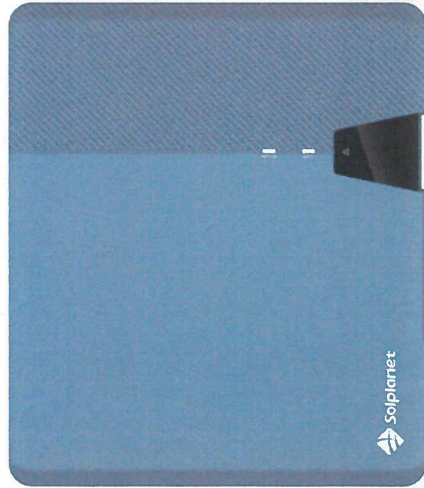
Technical Datasheet

	ASW 3K-LT-G2 Pro	ASW 4K-LT-G2 Pro	ASW 5K-LT-G2 Pro	ASW 6K-LT-G2 Pro	ASW 8K-LT-G2 Pro	ASW 10K-LT-G2 Pro
Max. PV array power	4500 Wp STC	6000 Wp STC	7500 Wp STC	9000 Wp STC	12000 Wp STC	15000 Wp STC
Max. input voltage	1000 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					
Rated active power	3000 W	4000 W	5000 W	6000 W	8000 W	10000 W
Rated apparent power	3000 VA	4000 VA	5000 VA	6000 VA	8000 VA	10000 VA
Max. apparent power	3300 VA ³⁴	4400 VA ³⁴	5500 VA ³⁴	6600 VA ³⁴	8800 VA ³⁴	11000 VA ³⁴
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	12.8 A	16 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%					
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	●					
Surge protection	● / Type II					
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	< 15 kg			17.3 kg		
Operating temperature range	-25°C ... +60°C					
Self-consumption (at night)	< 1W					
Topology	Non-isolated					
Cooling concept	Natural Convection					
Degree of protection (according to IEC 60529)	IP66					
Climatic category (according to IEC 60721-3-4)	4KH					
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					
LED indicators (Status / Fault / Communication)	●					
Communication interface ¹	Wi-Fi / 4G / RS485 (Optional)					
Country of Manufacture	China					
Certificates and approvals (more available on request)	CE EN50494, G98/09, VDE-AR-N4105, AS/NZS 4777, CHO/C11, VFR 2014 & LITE C15, IEC62109, IEC62116, IEC61727, IEC61683, IEC60066, IEC61000, NB/T 32004					

¹ Standard features / ² Optional features / - not available
³ Zero export installation supported with 2-pin RS485 for connection to approved smart meters
⁴ DRED supported with RS485 communication for Australia & New Zealand
⁵ The overvoltage setting is disabled as default for AS/NZS4777 grid codes
⁶ For European and AS/NZS4777 grid codes the max. apparent AC power is equal to the rated power
 Data at nominal conditions. All information is subject to change.

Three phase inverters 12 to 20 kW

ASW LT-G2 Pro Series



Models:
 ASW12K-LT-G2 Pro
 ASW15K-LT-G2 Pro
 ASW17K-LT-G2 Pro
 ASW20K-LT-G2 Pro



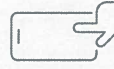
Easy-to-install

- 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
- 20 A input current, ideal for bifacial and large area PV modules
- Wide MPP voltage range 150V-1000V

Technical Datasheet

	ASW 12K-LT-G2 Pro	ASW 15K-LT-G2 Pro	ASW 17K-LT-G2 Pro	ASW 20K-LT-G2 Pro
Max. PV array power	18000 Wp STC	22500 Wp STC	25500 Wp STC	30000 Wp STC
Max. input voltage	1100 V	1100 V	1100 V	1100 V
MPP voltage range / rated input voltage	150 V to 1000 V / 630 V	150 V to 1000 V / 630 V	150 V to 1000 V / 630 V	150 V to 1000 V / 630 V
Min. input voltage	125 V	125 V	125 V	125 V
Initial, feed-in voltage	180 V	180 V	180 V	180 V
Max. operating input current	32 A / 20 A	32 A / 20 A	32 A / 32 A	32 A / 32 A
Max. short circuit current	48 A / 30 A	48 A / 30 A	48 A / 48 A	48 A / 48 A
No. of independent MPPT inputs / strings per MPPT input	2 / A:2B:1	2 / A:2B:1	2 / A:2B:2	2 / A:2B:2
Rated active power	12000 W	15000 W	17000 W	20000 W
Rated apparent power	12000 VA	15000 VA	17000 VA	20000 VA
Max. apparent power	13200VA ^{1M}	16500VA ^{1M}	18700VA ^{1M}	22000VA ^{1M}
AC nominal voltage	220 V / 380 V 230 V / 400 V 240 V / 415 V	220 V / 380 V 230 V / 400 V 240 V / 415 V	220 V / 380 V 230 V / 400 V 240 V / 415 V	220 V / 380 V 230 V / 400 V 240 V / 415 V
AC voltage range	160 V to 300 V	160 V to 300 V	160 V to 300 V	160 V to 300 V
AC grid frequency / range	50 Hz / 45 Hz to 55 Hz 60 Hz / 55 Hz to 65 Hz	50 Hz / 45 Hz to 55 Hz 60 Hz / 55 Hz to 65 Hz	50 Hz / 45 Hz to 55 Hz 60 Hz / 55 Hz to 65 Hz	50 Hz / 45 Hz to 55 Hz 60 Hz / 55 Hz to 65 Hz
Max. output current	19.1 A	24 A	27.1 A	31.9 A
Adjustable power factor range	0.8 leading to 0.8 lagging	0.8 leading to 0.8 lagging	0.8 leading to 0.8 lagging	0.8 leading to 0.8 lagging
Feed-in phases	3 / 3-N-PE	3 / 3-N-PE	3 / 3-N-PE	3 / 3-N-PE
Harmonic distortion (THD) at rated output	< 3 %	< 3 %	< 3 %	< 3 %
Max. efficiency / European efficiency	98.6% / 98.2 %	98.6% / 98.2 %	98.6% / 98.2 %	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	•	•	•	•
Surge protection	• / Type II	• / Type II	• / Type II	• / Type II
Protection class (according to IEC 62109-1) / overvoltage category (according to IEC 62109-1)	I / AC: III; DC: II	I / AC: III; DC: II	I / AC: III; DC: II	I / AC: III; DC: II
Dimensions (W / H / D)	503 / 435 / 183 mm	503 / 435 / 183 mm	503 / 435 / 183 mm	503 / 435 / 183 mm
Weight	17.3 kg	17.3 kg	18.6 kg	18.6 kg
Operating temperature range	-25°C ... +60°C	-25°C ... +60°C	-25°C ... +60°C	-25°C ... +60°C
Self-consumption (at night)	< 1W	< 1W	< 1W	< 1W
Topology	Non-isolated	Non-isolated	Non-isolated	Non-isolated
Cooling concept	Active cooling	Active cooling	Active cooling	Active cooling
Degree of protection (according to IEC 60529)	IP66	IP66	IP66	IP66
Climatic category (according to IEC 60721-3-4)	4K4H	4K4H	4K4H	4K4H
Max. permissible value for relative humidity (non-condensing)	100%	100%	100%	100%
Max. operating altitude	3000 m	3000 m	3000 m	3000 m
DC connection	Plug-in connector	Plug-in connector	Plug-in connector	Plug-in connector
AC connection	Plug-in connector	Plug-in connector	Plug-in connector	Plug-in connector
Mounting type	Wall-mount bracket	Wall-mount bracket	Wall-mount bracket	Wall-mount bracket
LED indicators (Status / Fault / Communication)	•	•	•	•
Communication interface ^{2,3}	Wi-Fi / 4G / RS485 (Optional)	Wi-Fi / 4G / RS485 (Optional)	Wi-Fi / 4G / RS485 (Optional)	Wi-Fi / 4G / RS485 (Optional)
Country of manufacture	China	China	China	China
Certificates and approvals (more available on request)	CE, EN50549, IEC62109, IEC62116, IEC61727, IEC61683, IEC60068, IEC61000, AS/NZS4777, C10/C11	CE, EN50549, IEC62109, IEC62116, IEC61727, IEC61683, IEC60068, IEC61000, AS/NZS4777, C10/C11	CE, EN50549, IEC62109, IEC62116, IEC61727, IEC61683, IEC60068, IEC61000, AS/NZS4777, C10/C11	CE, EN50549, IEC62109, IEC62116, IEC61727, IEC61683, IEC60068, IEC61000, AS/NZS4777, C10/C11

• Standard features / O 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
 3- The overload setting is disabled as default for AS/NZS4777 grid codes
 4- For European and AS/NZS4777 grid codes the max. apparent AC power is equal to the rated power
 Data at nominal conditions. All information is subject to change.