

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



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

Technical Datasheet

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
Input (DC)	Max. PV array power	4500 Wp STC	6000 Wp STC	7500 Wp STC	9000 Wp STC	12000 WpSTC	15000 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				20A / 16 A	
	Max. short circuit current	25 A / 25 A				30 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	8000 W	10000 W
	Rated apparent power	3000 VA	4000 VA	5000 VA	6000 VA	8000 VA	10000 VA
	Max. apparent power	3000 VA	4000 VA	5000 VA	6000 VA	8000 VA	10000 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	4.8A	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%					
Efficiency & Protection	Max. efficiency / European efficiency	98.3 % / 97.9 %				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	●					
	Arc fault circuit interrupter (AFCI)	○					
	Anti-Islanding protection	●					
	Night monitoring	●					
	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	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 interface¹	●/●/○/○ (RS485 /Wi-Fi/ LAN /4G)					
	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
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
ASW13K-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
- ShadeSol shadow management

Technical Datasheet

		ASW 12K-LT-G2 Pro	ASW 13K-LT-G2 Pro	ASW 15K-LT-G2 Pro	ASW 17K-LT-G2 Pro	ASW 20K-LT-G2 Pro
Input (DC)	Max. PV array power	18000 Wp STC	19500Wp 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	32 A / 20 A	32 A / 20 A	32 A / 20 A	32 A / 32 A	32 A / 32 A
Output (AC)	Max. short circuit current	48 A / 30 A	48 A / 30A	48 A / 30 A	48 A / 48 A	48 A / 48 A
	No. of independent MPPT inputs / strings per MPPT input	2 / A;2;B:1	2 / A;2;B:1	2/A;2;B:1	2 / A;2;B:2	2 / A;2;B:2
	Rated active power	12000 W	13000 W	15000 W	17000 W	20000 W
	Rated apparent power	12000 VA	13000 VA	15000 VA	17000 VA	20000 VA
	Max. apparent power	12000 VA	13000 VA	15000 VA	17000 VA	20000 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	19.1 A	20.7 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	●				
	Arc fault circuit interrupter (AFCI)	○				
	Anti-Islanding protection	●				
	Night monitoring	●				
	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 kg				
	Operating temperature range	-25°C ... +60°C				
	Self-consumption (at night)	< 1 W				
	Topology	Non-isolated				
	Cooling concept	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 ¹⁾	●/●/○/○ (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

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

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

ASW LT-G2 Pro Series



Models:
ASW40K-LT-G2 Pro
ASW45K-LT-G2 Pro
ASW50K-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

- 16 A input current, ideal for bifacial and large area PV modules
- 5 MPPTs for flexible PV array design
- Wide MPP voltage range 200V-1000V
- ShadeSol shadow management

Technical Datasheet		ASW40K-LT-G2 Pro	ASW45K-LT-G2 Pro	ASW50K-LT-G2 Pro
Input (DC)	Max. PV array power	60000 Wp STC	67500 Wp STC	75000 Wp STC
	Max. input voltage	1100 V		
	MPP voltage range / rated input voltage	200 V - 1000 V / 630 V		
	Min. input voltage	200 V		
	Initial. feed-in voltage	250 V		
	Max. operating input current	32A		
	Max. short circuit current	48A		
	No. of independent MPPT inputs / strings per MPPT input	4 / 2	4 / 2	5 / 2
Output (AC)	Rated active power	40000 W	45000 W	50000 W
	Rated apparent power	40000 VA	45000 VA	50000 VA
	Max. apparent power	40000 VA	45000 VA	50000 VA
	AC nominal voltage	220 V / 380 V 230 V / 400 V		
	AC voltage range	180 V to 305 V / 312 V to 528 V		
	AC grid frequency / range	50 Hz / 45 Hz to 55 Hz 60 Hz / 55 Hz to 65 Hz		
	Max. output current	66.7 A	75.0 A	80.0 A
	Adjustable power factor range	0.8 leading to 0.8 lagging		
Efficiency & Protection	Feed-in phases	3 / 3-N-PE		
	Harmonic distortion (THD) at rated output	< 3%		
	Max. efficiency / European efficiency	98.6% / 98.3%		
	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	●		
General data	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)	670 / 640 / 270 mm		
	Weight	43 kg		
	Operating temperature range	-25°C ... +60°C		
	Self-consumption (at night)	< 1 W		
	Topology	Non-isolated		
	Cooling concept	Active cooling		
Features	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		
	DC connection	Plug-in connector		
	AC connection	OT 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, IEC61000, NB/T 32004		

● Standard features / ○ optional features / – not available
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