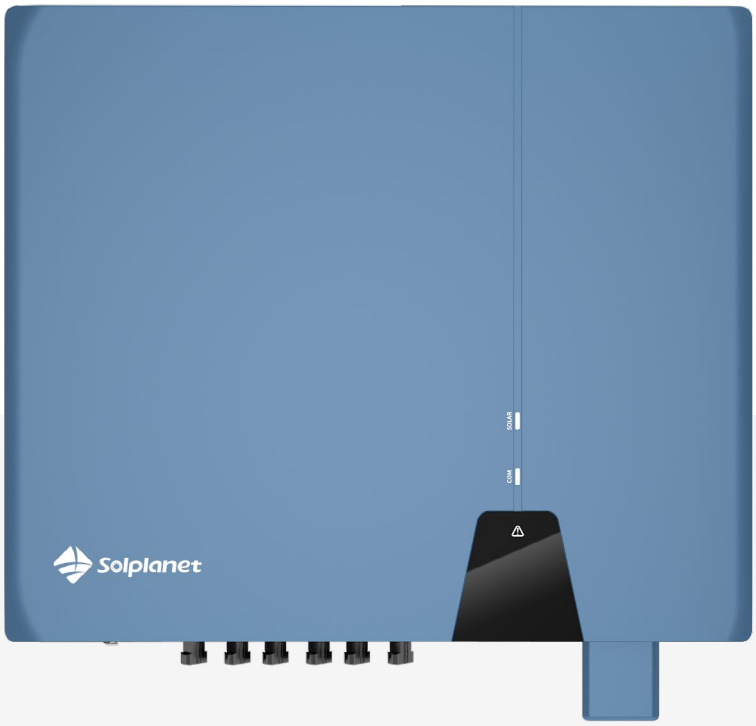
Three phase inverters 25 to 40 kW

ASW LT-G3 Series



Models:
ASW25K-LT-G3
ASW27K-LT-G3
ASW30K-LT-G3
ASW33K-LT-G3
ASW36K-LT-G3
ASW40K-LT-G3

Easy-to-install

- Quick & easy-to-instal 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

- 20A input current, ideal for bifacial and large area PV modules
- 3 MPPT´s for flexible PV array design
- Wide MPP voltage range 180V-1000V
- ShadeSol shadow management

Technical Datasheet

		ASW 25K-LT-G3	ASW 27K-LT-G3	ASW 30K-LT-G3	ASW 33K-LT-G3	ASW 36K-LT-G3	ASW 40K-LT-G3
Input (DC)	Max. PV array power	37500 Wp STC	40500 Wp STC	45000 Wp STC	49500 Wp STC	54000 Wp STC	60000 Wp STC
	Max. input voltage	1100 V					
	MPP voltage range / rated input voltage	180 V - 1000 V / 630 V					
	Min. input voltage	160 V					
	Initial. feed-in voltage	200 V					
	Max. operating input current	32A / 32 A /32A			32A / 32 A /40A		
	Max. short circuit current	48 A / 48A /48A			48 A / 48A /60A		
	No. of independent MPPT inputs / strings per MPPT input	3 / A:2;B:2;C:2			3 / A:2;B:2;C:2		
Output (AC)	Rated active power	25000W	27000W	30000W	33000W	36000W	40000W
	Rated apparent power	25000 VA	27000 VA	30000 VA	33000 VA	36000 VA	40000 VA
	Max. apparent power	25000VA[3]	27000VA[3]	30000VA[3]	33000VA[3]	36000VA[3]	40000VA[3]
	AC nominal voltage	220 V / 380 V 230 V / 400 V 240 V / 415 V					
	AC voltage range	180 V to 305 V / 312 V to 528V					
	AC grid frequency / range	50 Hz / 45 Hz to 55 Hz 60 Hz / 55 Hz to 65 Hz					
	Max. output current	39.9A	43.0A	47.8A	52.6A	57.4A	63.8A
	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	98.4% / 98.2%					
	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	●					
	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)	543 / 520 / 235 mm					
	Weight	29 kg	29 kg	29 kg	30 kg	30 kg	30 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&2]	●/●/O/O (RS485 /Wi-Fi/ LAN /4G)					
	Country of manufacture	China					
	Certificates and approvals (more available on request)	CE, EN50549 ,IEC62109, IEC62116, IEC61727, IEC61000, NB/T 32004					

● 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

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

Version: Oct 2023