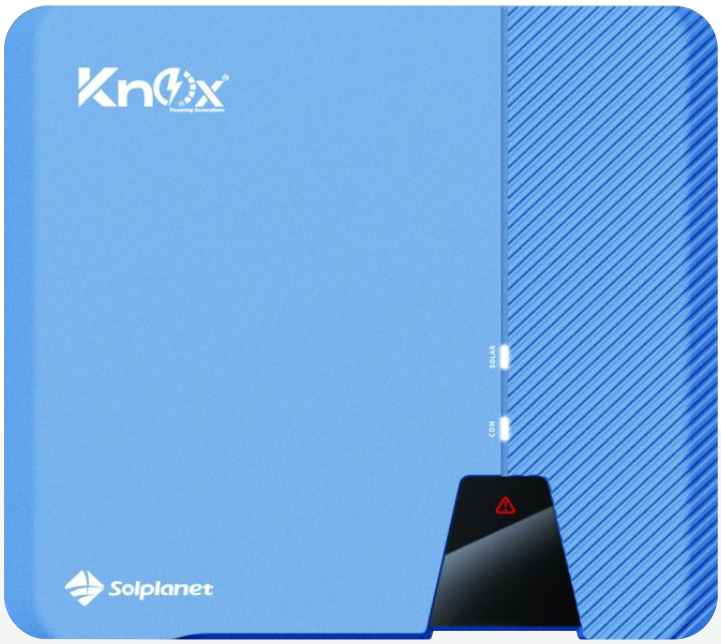
Three phase inverters 5kW to 50 kW

ASW LT-G2 Series



Models:
ASW5K-LT-G2
ASW6K-LT-G2 PRO
ASW10K-LT-G2
ASW15K-LT-G2
ASW20K-LT-G2
ASW25K-LT-G2 PRO
ASW30K-LT-G2
ASW50K-LT-G2

Easy-to-install

- Quick & easy-to-install with standard tools
- Compact, wall mount and plug-in AC connector
- Quick Wi-Fi set up with Solplanet App

Reliable

- International quality standards
- Built in SPD Module
- IP65 rated for outdoor use

User-friendly

- High DC/AC ratio up to 150 %
- Wide MPPT range 150V-1000V
- Dual MPPT for flexible installation

German Technology
Guaranteed Reliability

Solplanet
Made By Aiswei (Formerly SMA China)

@knoxsolar

Technical Data Sheet

		ASW 5K-LT-G2	ASW 6K-LT-G2 Pro	ASW 10K-LT-G2	ASW 15K-LT-G2	ASW 20K-LT-G2	ASW 25K-LT-G2 Pro	ASW 30K-LT-G2	ASW 50KLT-G2
Input (DC)	Max PV array power	7500 Wp STC	9000 Wp STC	15000 Wp STC	22500 Wp STC	30000 Wp STC	37500 Wp STC	45000 Wp STC	75000 Wp STC
	Max input voltage	1100 V						1100 V	
	MPP voltage range/ rated input voltage	150 V to 1000 V / 630 V						200 V to 1000 V / 630 V	
	Min input voltage	125 V						200 V	
	Initial feed-in voltage	125 V	180 V	125 V			180 V	250 V	
	Max operating input current	26 A / 13 A	16 A / 16 A	26 A / 13 A	26 A / 26 A		40A / 32A	26 A	
	Max short circuit current	40 A / 20 A	25 A / 25 A	40 A / 20 A	40 A / 40 A		60A / 48A	40 A	
	Number of independent MPP inputs/strings per MPP input	2/A:1:B:1			2/A:2:B:1	2/A:2:B:2	2 / A:2;B:2	3/2	5/2
Output (AC)	Rated power	5000 W	6000 W	10000 W	15000 W	20000 W	25000 W	30000 W	50000 W
	Rated apparent power		6000 VA				25000 VA		
	Max apparent AC power	5000 VA	6600 VA 3&4	10000 VA	15000 VA	20000 VA	27500 W3&4	30000 VA	50000 VA
	AC nominal voltage	220 V / 380 V - 230 V / 400 V - 240 V / 415 V						220 V / 380 V 230 V / 400 V	
	AC voltage range	160 V to 300 V						180 to 305 V /312 to 528 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	
	Rated grid frequency/rated grid voltage	50 Hz / 230 V						50 Hz / 230 V	
	Max output current	8.0 A	9.6 A	16 A	24 A	31.9 A	39.8 A	50.0 A	80.0 A
	Power factor at rated power	1		1				1	
	Adjustable displacement power factor	0.8 overexcited to 0.8 underexcited							
	Feed-in phases	3	3/3-N-PE	3			3/3-N-PE	3/3-N-PE	
	Harmonic distortion (THD) at rated output	<3%						<=3%	
Efficiency & Protection	Max efficiency/European efficiency	98.4 % / 98.0 %	96.3 % / 97.9 %	98.6 % / 98.2 %				98.6 % / 98.3 %	
	Input-side disconnection device	●						●	
	Ground fault monitoring/ grid monitoring	● / ●						● / ●	
	DC reverse polarity protection/AC short circuit current capability	● / ●						● / ●	
	All-pole-sensitive residual-current monitoring unit	●						●	
	DC Surge arrester	●						●	
	AC Surge protection	●	● / Type II	●			● / Type II	●	
	Protection class(according to IEC 62109-1) / overvoltage category (according to IEC 62109-1)	1/AC: III:DC :II							
	Dimensions (W/H/D)	503 / 435 / 183 mm						670/580/270 mm	
	Weight	16.0 kg	<15 kg	17.3 kg	17.3 kg	18.6 kg	18.6 kg	42 kg	43 kg
General data	Operating temperature range	-25°C - +60°C							
	Self-consumption (at night)	<1 W							
	Topology	Transformerless	Non-isolated	Transformerless			Non-isolated	Transformerless	
	Cooling concept	Convection	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							
Features	DC connection	Phoenix contact	Plug-in Connector	Phoenix contact			Plug-in Connector	Phoenix contact	
	AC connection	Plug-in Connector						OT Connector	
	Mounting type	Wall-mounting bracket							
	LED Indicators (Status/ Fault/Communication)	•							
	Communication interface 1 & 2	Wi-Fi / RS485	●/●/○/○ (RS485 /Wi-Fi/ LAN /4G)	Wi-Fi / RS485			Wi-Fi / 4G / RS485 (Optional)	Wi-Fi / RS485	
	Country of Manufacture	China							
	Certificates and approvals (more available on request)	CE, EN50549, IEC62109, IEC62116, IEC61727, IEC61683, IEC60068, IEC61000, AS/NZS4777	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	CE, EN50549, IEC62109, IEC62116, IEC61727, IEC61683, IEC60068, IEC61000, AS/NZS4777, C10/C11				CE, EN50549, IEC62109, IEC62116, IEC61727, IEC61683, 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
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.

Knox Care: 0304-111-5669(KNOX)
Powered/Warranted By: ELECTRO PAKISTAN
Authorised Exclusive Distributor of Pakistan