

Three phase inverters 30 to 50 kW

ASW LT-G2 Series



Models:

ASW30K-LT-G2

ASW33K-LT-G2

ASW36K-LT-G2

ASW40K-LT-G2

ASW45K-LT-G2

ASW50K-LT-G2



Easy-to-install

- Quick & easy-to-install with basic tools
- Compact, wall mount and PV Plug-in Connector
- Quick Wi-Fi set up with app



Reliable

- International quality standards
- Integrated 150% range DC/AC switch
- IP65 waterproof for outdoor use



User-friendly

- Smart monitoring with user-friendly app
- Practical design that fits anywhere
- Multiple MPPT for flexible installation

Technical Data Sheet

	ASW30K-LT-G2	ASW33K-LT-G2	ASW36K-LT-G2	ASW40K-LT-G2	ASW45K-LT-G2	ASW50K-LT-G2	
Input (DC)	Max PV array power	45000 Wp STC	49500 Wp STC	54000 Wp STC	60000 Wp STC	75000 Wp STC	
	Max input voltage	1100 V					
	MPP voltage range / rated input voltage	200 V to 1000 V / 630 V					
	Min input voltage	200 V					
	Initial feed-in voltage	250 V					
	Max operating input current	26 A					
	Max short circuit current	40 A					
	Number of independent MPP inputs / strings per MPP input	3 / 2	3 / 2	3 / 2	4 / 2	4 / 2	5 / 2
Output (AC)	Rated power	30000 W	33000 W	36000 W	40000 W	45000 W	50000 W
	Max apparent AC power	30000 VA	33000 VA	36000 VA	40000 VA	45000 VA	50000 VA
	AC nominal voltage	220 V / 380 V 230 V / 400 V					
	AC voltage range	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					
	Rated grid frequency / rated grid voltage	50 Hz / 230 V					
	Max output current	50.0A	55.0A	60.0A	66.7A	75.0A	80.0 A
	Power factor at rated power	1					
	Adjustable displacement power factor	0.8 overexcited to 0.8 underexcited					
	Feed-in phases	3 / 3-N-PE					
	Harmonic distortion (THD) at rated output	<= 3%					
	Efficiency & Protection	Max efficiency / European efficiency	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		●					
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)	670 / 580 / 270 mm					
	Weight	42 kg	42kg	42 kg	42.5 kg	42.5 kg	43 kg
	Operating temperature range	-25°C – +60°C					
	Self-consumption (at night)	<1W					
	Topology	Transformerless					
	Cooling concept	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					
	AC connection	OT Connector					
	Mounting type	Wall-mounting bracket					
	LED Indicators (Status / Fault / Communication)	●					
	Communication interface ^{1&2}	Wi-Fi / RS485					
Certificates and approvals (more available on request)	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

Version: June 2021

