

ASW LT-G2 Series



Models:

- ASW5K-LT-G2
- ASW10K-LT-G2
- ASW15K-LT-G2
- ASW20K-LT-G2
- 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



Technical Sheet Data

		ASW 5K-LT-G2	ASW 10K-LT-G2	ASW 15K-LT-G2	ASW 20K-LT-G2	ASW 30KLT-G2	ASW 50KLT-G2	
Input (DC)	Max PV array power	7500 Wp STC	15000 Wp STC	22500 Wp STC	30000 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	150 V				250 V		
	Max operating input current	26 A / 13 A				26 A		
	Max short circuit current	40 A / 20 A				40 A		
	Number of independent MPP inputs / strings per MPP input	2 / A:1,B:1				3/2		5/2
Output (AC)	Rated power	5000W	10000W	15000W	20000W	30000 W	50000 W	
	Max apparent AC power	5000VA	10000VA	15000VA	20000VA	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	16 A	24 A	31.9 A	50.0 A	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 / 3-N-PE		
	Harmonic distortion (THD) at rated output	<3%				<= 3%		
Efficiency & Protection	Max efficiency / European efficiency	98.4 % / 98.0 %	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	●						
	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	17.3 kg	17.3 kg	18.6 kg	42 kg	43 kg	
General data	Operating temperature range	-25°C – +60°C						
	Noise emission (typical)	-						
	Self-consumption (at night)	< 1 W						
	Topology	Transformerless						
	Cooling concept	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)	1	100%					
	Max operating altitude	3000 m						
Features	DC connection	Phoenix contact						
	AC connection	Plug-in Connector				OT Connector		
	Mounting type	Wall-mounting bracket						
	LED Indicators (Status / Fault/ Communication)	●						
	Communication interface1 & 2	Wi-Fi / RS485						
	Certificates and approvals (more available on request)	CE, EN50549, IEC62109, IEC62116, IEC61727, IEC61683, IEC60068, IEC61000, AS/NZS4777	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

2- DRED supported with RS485 communication for Australia & New Zealand