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)	O					
	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)	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)	●					
	24/7 monitoring	●					
	Communication interface[1]	●/●/●/O (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 / O 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.

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