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XG3-15kW

Three Phase On-Grid Solar Inverter

Efficient Higher Revenue

- 2MPP Trackers, high single circuit tracking accuracy, fast dynamic response
- 160% DC Input Oversizing
- Wide MPPT voltage range: 180V-1000V
- Compatible with high power modules

Intelligent Simple O&M

- Smart I-V Curve Diagnosis Function: locate PV string faults accurately and automatically detect faults
- Intelligent Fault Detection: AC side voltage and current waveforms real-time recorded, fast fault location
- Support RS485 (WiFi/GPRS/Ethernet optional): remote monitoring and operation via PC or mobile phones

Reliable Worry Free

- IP66 Protection degree: support outdoor installation
- DC & AC Type II SPD: prevent lightning damage
- AFCI Function (Optional): when an arc-fault is detected the inverter immediately stops operation

SPECIFICATION

	SKU:9481	SKU:9482
	XG8KTR	XG10KTR
Input (DC)		
Max. Input Power	12.8kW	16kW
Max. Input Voltage	1100V	
Start Voltage	160V	
Rated Input Voltage	600V	
Full-load MPP Voltage Range	320V ~ 850V	450V ~ 850V
MPPT Voltage Range	180V ~ 1000V	
Number of MPP Trackers	2	
Number of String per MPPT	1 / 1	
Max. Current per MPPT	14A / 14A	
Max. Short Circuit Current per MPPT	18A / 18A	
Output (AC)		
Max. Output Current	12.8A	15.9A
Rated Output Power	8kW	10kW
Max. Output Power	8.8kVA	11kVA
Rated Grid Frequency	50Hz / 60Hz	
Rated Grid Voltage	230Vac / 400Vac, 3L / N / PE	
Power Factor	>0.99 (0.8 leading~0.8 lagging)	
THDi	<3% (Rated Power)	
Efficiency		
Max. Efficiency	98.70%	
European Efficiency	98.50%	
MPPT Efficiency	99.90%	
Protection		
DC reverse polarity protection	Yes	
Anti-islanding protection	Yes	
AC short circuit protection	Yes	
Residual current monitoring unit	Yes	
Insulation resistance monitoring	Yes	
Ground fault monitoring	Yes	
Grid monitoring	Yes	
Surge protection	Type II	
AFCI protection	Optional	
Communication		
Display	LED / LCD / WiFi+App	
Communication	Standard：RS485 Optional：WiFi / GPRS / Ethernet	
Standard Compliance		
Grid Connection Standards	IEC 61727, IEC 62116, IEC 60068, IEC 61683, VDE-AR-N 4110:2018, VDE-AR-N 4105:2018, VDE-AR-N 4120:2018, EN 50549, AS/NZS 4777.2:2020, CEI 0-21, VDE 0126-1-1/A1 VFR 2014, UTE C15-712-1:2013, DEWA DRRG, NRS 097-2-1, MEA/PEA, C10/11, G98/G99	
Safety / EMC	IEC 62109-1:2010, IEC 62109-2:2011, EN 61000-6-2:2005, EN 61000-6-3:2007/A1:2011	
General Data		
Dimensions (W x H x D)	481 x 395 x 195 mm	
Weight	13.5kg	
Operating Temperature Range	-30° C ~ +60° C	
Cooling Method	Natural	
Protection Degree	IP66	
Max. Operating Altitude	4000m	
Relative Humidity	0 ~ 100%	
Topology	Transformerless	
Night Power Consumption	<1W	

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