Haier

XG3-10kW

Single Phase On-Grid Solar Inverter

Efficient
Higher Revenue

- 2 MPP Trackers , Max. input current per string: 20A
- 150% DC Input Oversizing
- Compatible with high power modules

Intelligent
Simple O&M

- Smart I-V Curve Diagnosis Function: locate PV string faults accurately and automaticallydetect faults
- Intelligent Fault Detection: AC side voltage and current waveforms real-time recorded, fast fault location
- Support RS485/WiFi/4G: 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

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	XG3KTL	XG4KTL	XG5KTL
Input (DC)			
Max. Input Power	4.5kW	6kW	7.5kW
Max. Input Voltage		600V	
Start Voltage		80V	
Rated Input Voltage		360V	
Full-load MPP Voltage Range	120V ~ 480V	145V ~ 480V	170V ~ 480V
MPPT Voltage Range		80V ~ 560V	
Number of MPP Trackers		2	
Number of String per MPPT		1/1	
Max. Current per MPPT		20A	
Max. Short Circuit Current per MPPT		26A	
Output (AC)			
Max. Output Current	15A	20A	25A
Rated Output Power	3kW	4kW	5kW
Max. Output Power	3.3kVA	4.4kVA	5.5kVA
Rated Grid Frequency		50Hz / 60Hz	
Rated Grid Voltage		220Vac / 230Vac / 240Vac	
Power Factor		>0.99 (0.8 leading~0.8 lagging)	
THDi		<3% (Rated Power)	
Efficiency			
Max. Efficiency	98.10%	98.30%	
European Efficiency	97.30%	97.40%	
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	
PV string monitoring		Yes	
Surge protection		Type II	
AFCI protection		Optional	
Communication			
Display		LED / LCD / WiFi+App	
Communication		RS485 / WiFi / 4G	
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)		380 x 380 x 160 mm	
Weight		13kg	
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	

- a: For AS4777,Rated Output Power of XG5KTL is 4999W.
- b: For VDE-AR-N 4105,Max. Output Power of XG4K6TL is 4600VA.For AS4777,Max. Output Power of XG4K6TL is 4999VA.
- c: For AS4777,Max. Output Power of XG5KTL is 4999VA.
- d: For AS4777,Max. Output Current of XG4K6TL and XG5KTL is 21.7A.

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XG3-15kW

Three Phase On-Grid Solar Inverter

Efficient Higher Reve nue

- 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

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	XG4KTR	XG5KTR	XG8KTR	XG10KTR
Input (DC)				
Max. Input Power	6.4kW	8kW	12.8kW	16kW
Max. Input Voltage	1100V			
Start Voltage	160V			
Rated Input Voltage	600V			
Full-load MPP Voltage Range	250V ~ 850V		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	6.4A	8A	12.8A	15.9A
Rated Output Power	4kW	5kW	8kW	10kW
Max. Output Power	4.4kVA	5.5kVA	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	98.40%		98.70%	
European Efficiency	98.30%		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	StandardvvRS485 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	12kg		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			