

XG30-40kW

Three Phase On-Grid Solar Inverter



Efficient Higher Revenue

- 3-4 MPP Trackers, high single circuit tracking accuracy, fast dynamic response
- 160% DC Input Oversizing
- Maximum efficiency of 98.6%. Wide MPPT voltage range: 200V-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

	XG30KTR	XG33KTR	XG36KTR	XG40KTR
Input (DC)				
Max. Input Power	48kW	52.8kW	57.6kW	64kW
Max. Input Voltage			1100V	
Start Voltage			250V	
Rated Input Voltage			600V	
Full-load MPP Voltage Range			500V ~ 800V	
MPPT Voltage Range			200V ~ 1000V	
Number of MPP Trackers	3			4
String per MPPT			2	
Max. Current per MPPT			26A	
Max. Short Circuit Current per MPPT			32A	
Output (AC)				
Max. Output Current	48.3A	53A	57.8 A	64.3 A
Rated Output Power	30kW	33kW	36 kW	40 kW
Max. Output Power	33.3kVA	36.6 kVA	39.6 kVA	44 kVA
Rated Grid Frequency			50 Hz / 60 Hz	
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			98.60%	
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	
PV String Monitoring			Yes	
Surge Protection			Type II	
AFCI Protection			Optional	
Communication				
Display			LCD / LED+APP	
Communication			Standard: RS485 Optional: WiFi / GPRS / Ethernet	
Standard Compliance				
Certification	IEC/EN 62109-1/2, IEC/EN 61000-6-1/3, EN50549, IEC61727/IEC62116, CEI 0-21_C10/C11, VDE 4105, VDE 0124, RD244, UNE217001, UNE217002, NC RfG, TOR Erzeuger, AS4777, NRS097-2-1, NB/T 32004, BIS			
General Data				
Dimensions (W x H x D)			600 x 430 x 230 mm	
Weight	30 kg			32 kg
Operating Temperature Range			-30° C ~ +60° C	
Cooling Method			Smart Cooling	
Protection Degree			IP66	
Max. Operating Altitude			4000 m	
Relative Humidity			0 ~ 100%	
Topology			Transformerless	
Night Power Consumption			< 1 W	