

XG3-15kW-S

Three Phase On-Grid Solar Inverter



Efficient Higher Revenue

- 2MPPT 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

	XG3KTR-S	XG4KTR-S	XG5KTR-S	XG6KTR-S	XG8KTR-S	XG9KTR-S	XG10KTR-S	XG11KTR-S	XG12KTR-S	XG15KTR1-S
Input (DC)										
Max. Input Power	4.8kW	6.4kW	8kW	9.6kW	12.8kW	14.4kW	16kW	17.6kW	19.2kW	24kW
Max. Input Voltage	1100V									
Start Voltage	160V									
Rated Input Voltage	600V									
Full-load MPP Voltage Range	200V ~ 850V				360V ~ 850V			380V ~ 850V		450V ~ 850V
MPPT Voltage Range	180V ~ 1000V									
Number of MPP Trackers / String per MPPT	2 / 1									
Max. Current per MPPT	18A									
Max. Short Circuit Current per MPPT	25A									
Output (AC)										
Max. Output Current	4.8A	6.4A	8A	9.6A	12.8A	14.4A	15.9A	17.5A	19.1A	23.9A
Rated Output Power	3kW	4kW	5kW	6kW	8kW	9kW	10kW	11kW	12kW	15kW
Max. Output Power	3.3kVA	4.4kVA	5.5kVA	6.6kVA	8.8kVA	9.9kVA	11kVA	12.1kVA	13.2kVA	16.5kVA
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	LCD / LED+APP									
Communication	Standard：RS485 Optional：WiFi / GPRS / Ethernet									
Standard Compliance										
Certification	IEC/EN 62109-1/2, IEC/EN 61000-6-1/3, IEC61683, IEC60068, IEC61727/IEC62116, EN50549, CEI0-21, C10/C11, VDE 4105, VDE 0124, G98/G99, RD244, UNE217001, UNE217002, NC RfG, TOR Erzeuger, AS4777, ABNT, NB/T 32004, BIS									
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								Smart Cooling	
Protection Degree	IP66									
Max. Operating Altitude	4000m									
Relative Humidity	0 ~ 100%									
Topology	Transformerless									
Night Power Consumption	<1W									

XG17-25kW

Three Phase On-Grid Solar Inverter



Efficient Higher Revenue

- 2 MPP Trackers, high single circuit tracking accuracy, fast dynamic response
- 160% DC Input Oversizing
- Maximum efficiency 98.4%. 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

	XG17KTR	XG20KTR	XG22KTR	XG25KTR
Input (DC)				
Max. Input Power	27.2kW	32kW	35.2kW	40kW
Max. Input Voltage	1100V			
Start Voltage	250V			
Rated Input Voltage	600V			
Full-load MPP Voltage Range	480V ~ 800V		520V ~ 800V	560V ~ 800V
MPPT Voltage Range	200V ~ 1000V			
Number of MPP Trackers	2			
Number of string per MPPT	2 / 2			2 / 3
Max. Current per MPPT	32A			32A / 48A
Max. Short Circuit Current per MPPT	40A			40A / 60A
Output (AC)				
Max. Output Current	27.2A	32.1A	35.3A	39.8A
Rated Output Power	17kW	20kW	22kW	25kW
Max. Output Power	18.8kVA	22.2kVA	24.4kVA	27.5kVA
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%			
European Efficiency	98.00%			
MPPT Efficiency	99.90%			
Protection				
DC Reverse Polarity Protection	Yes			
Anti-islanding Protection	Yes			
AC Short Crcuit 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, IEC60068, IEC61683, EN 50549, IEC61727/IEC62116, CEI 0-21, C10/C11, VDE 4105, VDE 0124, RD244, UNE217001, UNE217002, NC RfG, AS4777, NB/T 32004, BIS			
General Data				
Dimensions (W x H x D)	534 x 440 x 220 mm			
Weight	24kg			
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			

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	30kg	32kg		
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			

XG50-70kW

Three Phase On-Grid Solar Inverter



**Efficient
Higher Revenue**

- 4 MPP Trackers, high single circuit tracking accuracy, fast dynamic response and higher power generation
- 160% DC Input Oversizing
- 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

	XG50KTR	XG50KTRL	XG60KTR	XG60KTRL	XG66KTRL	XG70KTRL
Input (DC)						
Max. Input Power	80kW		96kW		105.6kW	112kW
Max. Input Voltage	1100V					
Start Voltage	250V					
Rated Input Voltage	600V				700V	
Full-load MPP Voltage Range	520V ~ 850V				600V ~ 850V	
MPPT Voltage Range	200V ~ 1000V					
Number of MPP Trackers	4					
Number of string per MPPT	3 / 2 / 3 / 2		3 / 3 / 3 / 3			
Max. Current per MPPT	39A / 26A / 39A / 26A		39A			
Max. Short Circuit Current per MPPT	48A / 32A / 48A / 32A		48A			
Output (AC)						
Max. Output Current	79.7A	66.2A	95.6A	79.4A	87.4A	92.6A
Rated Output Power	50kW		60kW		66kW	70kW
Max. Output Power	55kVA		66kVA		72.6kVA	77kVA
Rated Grid Frequency	50Hz / 60Hz					
Rated Grid Voltage	230Vac / 400Vac	277Vac / 480Vac	230Vac / 400Vac	277Vac / 480Vac		
Power Factor	>0.99 (0.8 leading ~ 0.8 lagging)					
THDi	<3% (Rated Power)					
Efficiency						
Max. Efficiency	98.70%		98.80%			
European Efficiency	98.40%				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,CEI 0-16, C10/C11, VDE 4105, VDE 0124, G99, RD244, UNE217001, UNE217002, NC RfG, NRS097-2-1, NB/T 32004, BIS					
General Data						
Dimensions (W x H x D)	650 x 450 x 260 mm					
Weight	50kg					
Operating Temperature Range	-30° C ~ +60° C					
Cooling Method	Smart Cooling					
Protection Degree	IP66					
Max. Operating Altitude	4000m					
Relative Humidity	0 ~ 100%					
Topology	Transformerless					
Night Power Consumption	<1W					

XG100-136kW

Three Phase On-Grid Solar Inverter



 **Efficient
Higher Revenue**

- 9-12 MPP Trackers, high single circuit tracking accuracy, fast dynamic response and higher power generation
- 150% DC Input Oversizing
- Maximum efficiency of 98.7%. 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/DRM/Bluetooth 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

	XG100KTR-F	XG110KTR-F	XG136KTR-LF	XG136KTR-XF
Input (DC)				
Max. Input Power	150kW		160kW	
Max. Input Voltage	1100V			
Start Voltage	250V			
Rated Input Voltage	620V	730V		780V
Full-load MPP Voltage Range	530V ~ 850V		560V ~ 850V	
MPPT Voltage Range	180V ~ 1000V			
Number of MPP Trackers	9	10	12	
Number of string per MPPT	2			
Max. Current per MPPT	30A			
Max. Short Circuit Current per MPPT	40A			
Output (AC)				
Max. Output Current	158.8A	174.6A		160.4A
Rated Output Power	100kW	110kW	136kW	
Max. Output Power	110kVA	121kVA	150kVA	
Rated Grid Frequency	50Hz / 60Hz			
Rated Grid Voltage	230Vac / 400Vac, 3L / N / PE, 3L / PE		277Vac / 480Vac , 3L / N / PE, 3L / PE	311Vac / 540Vac, 3L / N / PE, 3L / 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			
PV string monitoring	Yes			
Surge protection	Type II			
AFCI protection	Optional			
Communication				
Display	LCD / LED+APP			
Communication	Standard: RS485 Optional: WiFi / DRM / Bluetooth			
Standard Compliance				
Certification	IEC/EN 62109-1/2, IEC/EN 61000-6-1/3, IEC/EN 61000-6-2/4, EN50549, IEC61727/IEC62116, CEI 0-21/CEI 0-16, C10/C11, VDE 4105, VDE 0124, G99, RD244, UNE217001, UNE217002, NC RfG, TOR Erzeuger, NRS097-2-1, NB/T 32004			
General Data				
Dimensions (W x H x D)	1050 x 660 x 330 mm			
Weight	95kg	98kg	101kg	
Operating Temperature Range	-30° C ~ +60° C			
Cooling Method	Smart forced air cooling			
Protection Degree	IP66			
Max. Operating Altitude	4000m			
Relative Humidity	0 ~ 100%			
Topology	Transformerless			
Night Power Consumption	<1W			