

XC100-136kW

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 IV 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

	XC100KTR	XC100KTR-F	XC110KTR	XC110KTR-F	XC136KTR-L	XC136KTR-LF	XC136KTR-X	XC136KTR-XF
Input (DC)								
Max. Input Power	150kW			150kW			150kW	
Max. Input Voltage	1100V			1100V			1100V	
Start Voltage	250V			250V			250V	
Rated Input Voltage	620V			730V			780V	
Full-load MPPT Voltage Range	530V ~ 850V			560V ~ 850V			560V ~ 850V	
MPPT Voltage Range	180V ~ 1000V			180V ~ 1000V			180V ~ 1000V	
Number of MPP Trackers	9			10			12	
String per MPPT	2			2			2	
Max. Current per MPPT	25A	30A	25A	30A	25A	30A	25A	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			50Hz / 60Hz			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	98.55%							
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							
PIV recovery function	Optional							
SWC function	Optional							
Communication								
Display	LED / LCD / WiFi-App							
Communication	Standard: RS485 Optional: WiFi / DRM / Bluetooth							
Standard Compliance								
Grid Connection Standards	IEC 61727, IEC 62116, IEC 60908, 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, IJA VFR 2014, UTE C15-712-1:2013, DEWA DRNG, NRS 097-2-1, MEAPPEA, C107/11, 09/05/099							
Safety / EMC	IEC 62109-1:2010, IEC 62109-2:2011, EN 61000-6-2:2005, EN 61000-6-3:2007/AL:2011							
General Data								
Dimensions (W x H x D)	1050 x 660 x 330 mm							
Weight	95kg	98kg	98kg	98kg	101kg	101kg	101kg	101kg
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							