

BG 10kW-PLUS

Three Phase Grid-tied Solar Inverter



Zero export
function
(Optional)



Aluminum
radiator



IP65



Product
Liability
Insurance



High power
density



5+5 years
warranty



BG10KTR-PLUS	
DC input parameter	
Max. DC input power	15kW
Max. DC input voltage	1000V
Starting voltage / Min. operation voltage	180V / 170V
MPPT voltage range / Rated input voltage	170V ~ 800V / 450V
Number of MPPT / String per MPPT	2 / 1
Max. MPPT input current x Number of MPPT	13A x 2
AC output parameter	
Max. output current	15.7A
Max. output power	11kW
Rated output power	10kW
Rated output frequency range	50Hz (45Hz ~ 54Hz) / 60Hz (55Hz ~ 65Hz)
Power factor	-0.9 ~ +0.9
THDi	< 3%
Rated output voltage range	3L + N + PE / 3L + PE / 230V / 400V; 220V / 380V (320V ~ 460V)
Efficiency	
Maximum efficiency	98.30%
European efficiency	97.80%
Protection	
Protection function	DC switch, AC short circuit, AC output over current, Output over voltage, Isolation, RCD detection, Surge protection, Anti-island, Over temperature protection, Groud fault monitoring, etc.
Display and Communication	
Display	LCD (Backlit displa)
Interface	RS485 (Standard) / WiFi / Ethernet (Optional)
Standard	
Grid qualification	IEC 61727(IEC62116), IEC 60068-2-1:2007, IEC 60068-2-2:2007, IEC 60068-2-14:2009, IEC 60068-2-30:2005, IEC 61683:1999, VDE0126-1-1, VDE-AR-N4105, G59/3, C10/11, AS/NZS 4777.2:2015, NB/T 32004-2013, PEA, ZVR.
Safety / EMC	IEC 62109-1: 2010, IEC 62109-2:2011, EN 61000-6-2:2005, EN 61000-6-3:2007/A1:2011
General parameter	
Cooling method	Natural cooling
Protection degree	IP65
Power consumption at night	< 1W
Topology	Transformerless
Operation temperature	-25°C ~ +60°C (Derating above 45°C)
Relative humidity	0 ~ 100%
Noise	< 50dB
Altitude	3000m (Derating above 2000m)
Dimension (W x H x D)	475 x 360 x 160 mm
Weight	18.5kg
Warranty	5 years (Standard) / 10 years(Optional)

