



Three Phase On-Grid Solar Inverter

BG6KTR~BG17KTR



- Integrated intelligent DC combiner and surge protection
- Dual MPPTs work independently and allow unbalanced input power
- High efficiency and stable performance at entire input voltage and output power range
- AC outpower is adjustable between 1 -100%
- Multi-country configuration

Technical Specifications

Model	BG6KTR	BG8KTR	BG10KTR	BG12KTR	BG15KTR	BG17KTR
Phase	3-phase in/3-phase out(L1+L2+L3+PE) or (L1+L2+L3+N+PE)					
Installation Type	Wall Mounting Type					
Size, D X W X H (mm)	530x360x150	575x360x150		610x480x204		
Net Weight (Kgs)	20.00	23.00		38.00		
Input(DC)						
Max. DC Power (W)	6200	8300	10400	12500	15600	17500
Max. DC Voltage(V)	1000					
Nominal DC Voltage(V)	580					
MPPT Voltage Range (V)	200-800					
Start-up/Min. Operation Voltage (V)	220/180					
No. of MPP Trackers/String per MPPT	2/2					
Max. DC Current per MPPT x No. of MPPT	10Ax2	12Ax2	12Ax2	19Ax2	21Ax2	23Ax2
DC Switch	Integrated					
Output(AC)						
AC Nominal Power(W)	6000	8000	10000	12000	15000	17000
Nominal AC Voltage(V)	220/380V,230/400V,240/415V					
AC Voltage Range(V)	180~280/312~485					
AC Grid Frequency Range(Hz)	50Hz(47~51.5Hz)/60Hz(57~61.5Hz)					
Max. AC Output Current(A)	10	13	15	20	24	28
Power Factor @ Rated Power	-0.8~+0.8(adjustable)					
THDi @ Rated Power	<3%					
Efficiency						
Maximum Efficiency	98.2%	98.2%	98.2%	98.2%	98.3%	98.3%
Euro Efficiency	97.7%	97.7%	97.7%	97.7%	97.8%	97.8%
MPPT efficiency	99%					
Protection	DC isolation monitoring, DC monitoring, DC over current protection, Grounding fault monitoring, island protection, overheating protection, electronic protection, Overvoltage and short circuit protection etc.					
Interface						
Datalogger & Communication	RS485 (standard); WiFi, Ethernet (optional)					
General Data						
Cooling Method	Smart Cooling Method					
Topology	Transformerless					
Display	3.5 inch LCD display, support backlight display					
LCD Language	English, Chinese, German, Dutch					
Environment						
Humidity	0~95%, no condensation					
Operating Temperature	-25°C~+60°C (derate after 45°C)					
Noise (dB)	<50					
Altitude	Up to 2000m (without derating)					
Protection Grade	Ip65					
Standard						
Standard Warranty [Year]	5 (Standard)/10/15/20/25 (Optional)					
Certificate	TUV, CE, VDE0126-1-1, VDE-AR-N 4105, G95/3, C10/11, TF3.2.1, AS4777/3100, CQC, EN61000-6-1:4, EN61000-11:12, IEC62109-1:2010, LVRT, PEA, ZVRT					

* Remarks: Products specifications are subject to change without notice.