

# Three Phase On-Grid Solar Inverter

## 三相并网太阳能逆变器

### BG20KTR~BG60KTR



- 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
- Wide input voltage range gives more possibilities for accepting different string configuration
- Ip65 protection level, suitable for various installation environments
- 集成一体式直流智能汇流箱和浪涌保护功能
- 独立双MPPT，支持两组不同的输入功率
- 在输入电压及输出功率全范围内都具备高效、稳定的性能
- 宽输入电压范围，适应更多组件串配置方式
- Ip65防护等级，适用于各种安装环境

### Technical Specifications 技术参数

Model	BG20KTR	BG25KTR	BG33KTR	BG40KTR	BG50KTR	BG60KTR
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)	660x525x250			645x660x225		
Net Weight (Kgs)	52.00			62.00		
<b>Input(DC)</b>						
Max. DC Power (W)	20800	26000	36000	40800	54300	66000
Max. DC Voltage(V)	1000			1100		
Nominal DC Voltage(V)	610			610		
MPPT Voltage Range (V)	280-800			280-900		
Start-up/Min. Operation Voltage (V)	300/280			300/280		
No. of MPP Trackers/String per MPPT	2/3		2/4		2/5	
Max. DC Current per MPPT x No. of MPPT	25Ax2	30Ax2	33Ax2	33Ax2	42Ax2	42Ax2
DC Switch	Integrated					
<b>Output(AC)</b>						
AC Nominal Power(W)	20000	25000	33000	40000	50000	60000
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)	32	40	48	48	52	57
Power Factor @ Rated Power	-0.8~+0.8(adjustable)					
THDi @ Rated Power	<3%					
<b>Efficiency</b>						
Maximum Efficiency	98.4%	98.4%	98.5%	98.6%	98.9%	98.9%
Euro Efficiency	98.0%	98.0%	98.1%	98.2%	98.6%	98.6%
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.					
<b>Interface</b>						
Datalogger & Communication	RS485 (standard); WiFi, Ethernet (optional)					
<b>General Data</b>						
Cooling Method	Smart Cooling Method					
Topology	Transformerless					
Display	3.5 inch LCD display, support backlight display					
LCD Language	English, Chinese, German, Dutch					
<b>Environment</b>						
Humidity	0~95%, no condensation					
Operating Temperature	-25°C~+60°C (derate after 45°C)					
Noise (dB)	<25					
Altitude	Up to 2000m (without derating)					
Protection Grade	Ip65					
<b>Standard</b>						
Standard Warranty [Year]	5 (Standard)/10/15/20/25 (Optional)					
Certificate	TUV,CE,VDE0126-1-1,VDE-AR-N4105,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.