

BG 20-35kW

Three Phase Grid-tied Solar Inverter



Zero export
function
(Optional)



Intelligent
cooling



IP65



Product
Liability
Insurance



Commercial
design



5+5 years
warranty



	BG20KTR	BG25KTR	BG30KTR	BG33KTR	BG35KTR
Input (DC)					
Max. Input Power	22kW	28kW	33kW	36kW	38kW
Max. Input Voltage	1000V				
Start Voltage / Min. Operating Voltage	300V / 280V				
MPPT Voltage Range	280V ~ 800V				
MPPT Rated Voltage	610V				
Number of MPP Trackers / String per MPPT	2 / 3				2 / 4
Max. Current per MPPT	25A	30A	33A	33A	33A
Output (AC)					
Max. AC output current	32A	40A	48A	48A	48A
Rated output power	20kW	25kW	30kW	33kW	35kW
Rated Grid Frequency	50Hz / 60Hz				
Rated Grid Voltage	230V / 400V, 3L+N+PE / 3L+PE				
Power Factor	-0.8~+0.8 (adjustable)				
THDi	<3% (at rated power)				
Efficiency					
Max. Efficiency	98.40%	98.40%	98.50%	98.50%	98.50%
European Efficiency	98.00%	98.00%	98.00%	98.10%	98.10%
MPPT Efficiency	99.90%				
Protection					
Protection	DC breaker, AC short-circuit protection, Over current protection, Over voltage protection, Insulation impedance protection, RCD, Surge protection, Anti-islanding protection, Over temperature protection, Ground fault monitoring, etc.				
Communication					
Display	LCD				
System Language	English / Chinese / German / Dutch / Polish				
Communication	standard: RS485 optional: WiFi / GPRS / Ethernet				
Standard Compliance					
Grid Connection Standards	IEC 61727:2004, IEC62116:2014, IEC 60068-2-1:2007, IEC 60068-2-2:2007, IEC 60068-2-14:2009, IEC 60068-2-30:2005, IEC 61683:1999, DIN VDE 0126-1-1:2013, DIN VDE V 0124-100:2020, VDE-AR-N 4105:2018, G99:2019, C10/11:2019, AS/NZS 4777.2:2020, NB/T 32004-2018, PEA, ZVR				
Safety / EMC	IEC/EN 62109-1:2010, IEC/EN 62109-2:2011, EN 61000-6-2:2019, EN 61000-6-3:2007/A1:2011				
General Data					
Dimensions (W x H x D)	660 x 520 x 250 mm				
Weight	52kg				
Operating Temperature Range	-25°C ~+60°C (derating above 45°C)				
Cooling Method	Smart cooling				
Protection Degree	IP65				
Noise	<50dB				
Max. Operating Altitude	3000m (derating over 2000m)				
Relative Humidity	0~100%				
Topology	Transformerless				
Night Power Consumption	<0.5W				
Warranty	5 years (standard) / 10 years (optional)				