

	BG6KTR	BG8KTR	BG10KTR	BG12KTR	BG15KTR
Input (DC)					
Max. DC voltage (V)	1000				
Starting voltage (V)	180				
MPPT operating voltage range (V)	180- 800				
Rated power voltage range (V)	200 - 800	250 - 800	250 - 800	300 - 800	380 - 800
Number of MPPT/ string per MPPT	2/2	2/2	2/3	2/3	2/3
Max. DC power (W)	6400	8400	10400	12500	15600
Max. DC current (A) per MPPT x number of MPPT	16x2	21x2	21x2	21x2	21x2
DC switch	Integrated (Lockable-off)				
Output (AC)					
Rated power (W)	6000	8000	10000	12000	15000
Max. AC current (A)	10	13	15	20	24
AC voltage rang	320~460Vac				
Grid frequency	According to VDE0126-1-1/A1:2012, TF3.2.1, AS4777.2:2005, AS4777.3:2005, AS/NZS3100:2009, CQC(CNCA/CTS0004:2009A, CNCA/CTS0006:2010)				
Power factor	50Hz(47~51.5Hz) / 60Hz(57~61.5Hz)				
THD	-0.9~+0.9 (Adjustable)				
AC connection	< 3% (at rated power)				
System	Three-phase (L1, L2, L3, N, PE)				
Cooling	Fan cooling	Fan cooling	Fan cooling	Fan cooling	Fan cooling
Max. efficiency	97.50%	97.80%	98.00%	98.00%	98.00%
Euro-efficiency	97.00%	97.00%	97.50%	97.50%	97.50%
MPPT efficiency	99.9%				
Protection degree	IP65				
Consumption at night	<1W				
Isolation mode	Transformerless				
Operating temperature	-25°C~+60°C, derate after 45°C				
Relative humidity	0~95%, no condensation				
Protection	DC isolation monitoring, DC monitoring, grounding fault monitoring, grid monitoring, island protection, overvoltage and short circuit protection, etc.				
Display and Communication					
Display	3.5inches LCD display, support backlit display				
System language	English, Chinese				
Communication mode	RS485(Standard) WiFi, Ethernet(Optional)				
Mechanical Parameters					
Dimension (H x W x D mm)	656x494x206				
Weight (kg)	≤35.5				
Installation	Wall mounting				
Others					
DC terminal	SUNCLIX water-proof terminal				
Certifications	TÜV, CE, VDE0126-1-1/A1:2012, TF3.2.1, AS4777.2:2005, AS4777.3:2005, AS/NZS3100:2009, CQC(CNCA/CTS0004:2009A, CNCA/CTS0006:2010) EN62109-1:2010, EN62109-2:2011, IEC60068, IEC61683, IEC62109-1:2010, IEC62109-2:2011				