

Single-phase
Grid-connected Inverter
CG-3.6~6K



- LED display, touch button design, direct data view
- Maximum efficiency 97.6%, more power generation
- Dual MPPT, support for parallel connection for greater adaptability
- 130% DC over configuration, 110% AC overload output; Wide DC voltage range
- IP66 protection, built-in SPD protection for safety and reliability
- Intelligent remote monitoring
- Support anti-backflow function

Technical Data	CG-3.6K	CG-4K	CG-4.6K	CG-5K	CG-6K
Input Data					
Max. PV access power	7.2kW	8kW	9.2kW	10 kW	12kW
Max. PV input power	4.7kW	5.5kW	6kW	6.5kW	7.8kW
Max. PV input voltage			550 V		
Operation voltage range	80 V-540 V				
Number of independent MPPT/ strings per MPPT			2/ 1		
MPPT max. current	14A/ 14A				
AC Output Data					
Rated output power	3.6kW	4kW	4.6kW	5kW	6kW
Max. output power	4kW	4.4kW	5kW	5.5kW	6.6kW
Rated output voltage			230 V/ 184 V-276 V		
Rated output frequency	50 Hz/ 60 Hz ±5 Hz				
Rated output current	15.7A	18 A	20 A	21.8A	26.1A
Max. output current	17.3A	20 A	22A	24A	29A
Power factor			-0.8~+0.8(adjustable)		
THDi	<3%(Nominal Output)				
Grid system pattern			L+N+PE		
Efficiency					
Max. efficiency	97.6%				
Europe efficiency			96.8%		
Protection					
Input DC switch	Yes				
Input over current protection			Yes		
DC reverse polarity protection	Yes				
Output over voltage protection			Yes		
Output over current protection	Yes				
Anti islanding protection			Yes		
Insulation impedance protection	Yes				
RCD detection			Yes		
General Data					
Dimensions (L/ W/ H) in mm			330/ 188/ 312		
Weight	114kg				
Noise			<25dB		
Operation temperature range	-25°C~+60 °C				
Heat dissipation mode			Natural		
IP Class	IP66				
Maximum altitude			4000m		
Self-Consumption night	<1w				
Topology			Transformerless		
Features					
LCD display	Yes				
Communication interface			WIFI/ 4G/ GPRS/ RS485(optional)		
Warranty	5 years (standard)				
Standards	VDE-AR-N 4105, VDE 0124, IEC 62109, IEC 61000				