

TECHNICAL SPECIFICATIONS

Model No	VC GTI 1 500	VC GTI 2200	VC GTI 3000	VC GTI 5000
DC side/Input parameter				
Max DC power [W]	1800	2500	3400	5000
Max DC voltage [Vdc]	450	500	550	550
Min System start/Operating voltage [Vdc]	75/100	75/100	75/100	75/100
MPPT voltage range [Vdc]	100~450	100~500	100~500	100~500
Max. input current [A]	10	13	15	15/15
Number of MPPT trackers	1	1	1	2
String per MPPT tracker	1	1	1	1
AC side /output parameters				
Nominal output power [W]	1500	2200	3000	4600
Maximum output power [W]	1650	2420	3300	5000
Nominal output voltage/range[V]	180~265	180~265	180~265	180~265
AC grid frequency/range[Hz]	50,60/+_- 4.5auto-selection	50,60/+_- 4.5auto-selection	50,60/+_- 4.5auto-selection	50,60/+_- 4.5auto-selection
Maximum output current[A]	8	12	17	23
AC connections (with PE)	Single phase	Single phase	Single phase	Single phase
Current distortion(THDi)[%]	<1.5	<1.5	<1.5	<2.5
Power factor[%]	>99.9	>99.9	>99.9	>99.95
Efficiency	97.3	97.4	97.5	97.8
Maximum conversion efficiency[%]	97.0	97.1	97.2	97.3
MPPT efficiency[%]	99.9	99.9	99.9	99.9
Protection	yes	yes	yes	Yes
DC reverse-polarity protection	yes	yes	yes	Yes
Short circuit protection	yes	yes	yes	Yes
Ground fault/residential current monitoring	yes	yes	yes	Yes
Grid monitoring	yes	yes	yes	Yes
DC/AC side varistors(thermally protected)				
General Parameters				
Dimension(L/W/H)[mm]	375*480*136	375*480*136	375*480*136	480 *400*180
Weight(kg)	14.5	15	15.6	20.1
Embedded DC Switch	Optional			
Night Mode support	Optional			
Night power consumption [W]	<0.2			
Isolation type	Transformerless			
Protection degree	IP65			
Operation temperature [0C]	-25~60			
Heat Dissipation	Convection			
Acoustic noise Level[dB]	<25			
Altitude[m]	<2000 without power derating			
Storage temperature[0C]	-30~80			
Real Time Clock module	yes			
LED Display	Graphic and digital segment			
Communication Interface	Standard Wifi			