



Input (PV)		Output (Grid)	
Max PV Input Voltage	550 VDC	Nominal Output Power	5000 W
Nominal PV Input Voltage	380 VDC	Max Output Apparent Power	5500 VA
Startup PV Voltage	80 VDC	Max Output Power	5000 W
MPPT Operation Voltage Range	80 ~ 520 VDC	Nominal Grid Voltage/ Frequency	1/N/PE 230 VAC/50Hz
Max Input Current	13.5/13.5 A	Nominal Output Current	21.7 A
Max Short Circuit Current	20/20 A	Max Output Current	24.3 A
MPPT Number	2	PF at Nominal Power/Range	1 /0.8Lead~0.8Lag
Max Input Strings Number	2	THD	< 3%
General		Protection	
Display	LCD+LED+Bluetooth+APP	Integrated DC Switch	Yes
Communication Port	RS485, Optional: WIFI, 4G	DC Reverse Polarity Protection	Yes
Dimensions (W*H*D)	355*430*152 mm	Anti-Islanding Protection	Yes
Weight	10.8 Kg	Short Circuit Protection	Yes
Self-Consumption (night)	< 1 W	Output Over Current Protection	Yes
Operating Temperature Range	-25 ~ +60°C	DC Surge Protection	Type II
Cooling Method	Natural Cooling	AC Surge Protection	Type II
Max. Operation Altitude	4000 m (Derating above 3000 m)	Insulation Impedance Detection	Yes
Relative Humidity	0 ~ 100%	Residual Leakage Current Detection	Yes
Ingress Protection	IP65	Ground Fault Monitoring	Yes
Topology Structure	Transformer Less	AC Over Voltage Protection	Yes
Type of DC Terminal	MC4 Connector	DC Over Current Protection	Yes
Type of AC Terminal	Quick Connection Plug	Integrated AFCI (DC arc-fault circuit)	Optional
Standard			
Grid Connection Standard	EN 50549-1, IEC 61727, IEC 62116, IEC 61683, UNE 217001, UNE 217002, NTS-631		
Safety/EMC Standard	IEC/EN 62109-1/2, EN IEC61000-6-1/2/3/4, EN/IEC 61000-3-11, EN 61000-3-12		
Efficiency			
Max Efficiency	97.7%		