

RT-G Series

Single Phase / On-grid / 2–3 kW

Max. PV Voltage up to 600 V
DC / AC Ratio up to 1.5

Type III DC SPD / Type III AC SPD
IP66 Protection

Compatible for Big Capacity PV Panel
WiFi / 4G Plug Optional

High Efficiency up to 97.6%
Smaller and Lighter



MODEL	RT-G2KW-1P		RT-G3KW-1P	
Input (DC)				
Max. DC Voltage	600 Vdc			
Nominal Voltage	380 Vdc			
Start Voltage e ¹⁾	80 V		80 V	
MPPT Voltage Range	80 V ~ 560 V		80 V ~ 560 V	
Number of MPPT	1			
Strings Per MPPT	1			
Max. input Current Per MPPT	13 A			
Max. Short-circuit Current Per MPPT	15.6 A			
Output (AC)				
Nominal AC Output Power	2000 W		3000 W	
Max. AC Apparent Power	2200 VA		3300 VA	
Nominal AC Voltage	230V L-N			
AC Grid Frequency Range	50Hz / 60Hz ±5Hz			
Max. Output Current (A)	9.6 A		14.4 A	
Power Factor (cosΦ)	0.8 leading - 0.8 lagging			
THDi	< 3%			
Efficiency				
Max. Efficiency	97.50%		97.60%	
Euro Efficiency	97.00%		97.00%	
Protection devices				
DC Switch	Yes			
Anti-islanding Protection	Yes			
Output Over Current Protection	Yes			
DC Reverse Polarity Protection	Yes			
DC / AC Surge Protection	DC Type III; AC Type III			
Insulation Detection	Yes			
AC Short Circuit Protection	Yes			
General Specifications				
Dimensions (W x H x D)	350 x 290 x 120 mm			
Weight	8 kg		8 kg	
Environment				
Operating Temperature Range	-25°C ~+ 60°C			
Cooling Type	Natural convection			
Max. Operating Altitude	4000 m			
Max. Operating Humidity	0 - 100%			
AC Output Terminal Type	Quick Connector			
IP Class	IP66			
Topology	Transformerless			
Communication Interface	RS-485 / WIFI / 4G			
Display	LCD / Bluetooth + App			
Certification & Standard	EN/IEC 62109 -1/2; IEC/EN 61000 -6-2; IEC/EN 61000 -6-4; IEC 62116; IEC 61727; EN 50549 -1			

1) Minimum voltage for inverter to start power output.