






String Grid-Tied PV Inverter

 1500Vdc, 800Vac
Smart I-V Curve Function

 Optional AFCI Function
Reactive Power Control

 12 MPPT, 24 PV Strings Input
DC and AC Type II SPD

 PLC Communication
Max. DC/AC Ratio up to 1.5

Technical Specifications

MODEL	RV-KSG-250UH-M0
Input(DC)	
Max. DC Voltage	1500V
Nominal Voltage	1080V
Start Voltage	650V
MPPT Voltage Range	500V-1500V
Number of MPPT	12
Strings Per MPPT	2
Max. Input Current Per MPPT	30A
Max. Short-circuit Current Per MPPT	50A
Output(AC)	
Nominal AC Output Power	250KW 30°C / 225KW 40°C / 200KW 50°C
Max. AC Apparent Power	250kVA
Nominal AC Voltage	800V 3W+PE
AC Grid Frequency Range	50/60Hz±5Hz
Max. Output Current	180.4A
Power Factor (cos Φ)	0.8Leading-0.8lagging
THDi	<3%
Efficiency	
Max. Efficiency	99.00%
Euro Efficiency	98.7%
Protection Devices	
DC Switch	Yes
Anti-islanding Protection	Yes
Output Over Current Protection	Yes
DC Reverse Polarity Protection	Yes
String Fault Detection	Yes
DC/AC Surge Protection	Type II
DC Insulation Resistance Detection	Yes
Residual Current Monitoring	Yes
AC Short-circuit Protection	Yes
General Specifications	
Dimensions W x H x D (mm)	1055*700*336
Weight(kg)	110
Operating Temperature Range	-25°C ~ +60°C
Cooling Type	Fan cooling
Max. Operating Altitude	4000m
Max. Operating Humidity	0~100%(No Condensation)
AC Output Terminal Type	OT Terminal
IP Class	IP66
Topology	Transformer-less
Communication	RS485/Wifi/4G/PLC
Display	LED/Bluetooth+APP
Certification & Standard	EN/IEC62109-1;EN/IEC62109-2;IEC/EN61000-6-2;IEC/EN61000-6-4;IEC/EN61000-3-11;IEC/EN61000-3-12;IEC61683;IEC60068;IEC60529;IEC62116;IEC61727;EN50549-1;EN50549-2

*Specifications subject to change without prior notice.