

DC 1500V Containerized String Inverter for PV Power Plant

RV-GSM6250C-MV



Max. PV Voltage up to 1500V
DC/AC Ratio up to 1.5



AAGC/AVC Night SVG Function LVRT/
HVRT/FRT Function



Full Power Output Under 50°C
IP54 Outdoor Protection



Modular Design for Easy Maintenance
Max. 56 DC Inputs

RV-GSM6250C-MV

Model:	RV-GSM6250C-MV
PV Input	
Max. Input Voltage	1500 V
MPPT Operating Voltage Range	920 V ~ 1300 V
Start-up Voltage	980 V
Max. Operating Input Current	8160 A
No.of MPP Trackers	2
No.of Strings per MPP Tracker	1
AC Output	
Rated Output Power	6250 kW
Max. Output Power	7200 kW
AC Voltage Range	10 kV ~ 35 kV
AC Grid Frequency / Range	45 ~ 55 / 55 ~ 65 (adjustable)
Max. Output Current	6598 A
Adjustable Power Factor	~1 (Adjustable from 0.8 Leading to 0.8 Lagging)
Grid Connection	1
Max. Total Harmonic Distortion (THDi)	< 3%
Efficiency	
Max. Efficiency	99.00%
European Efficiency	98.70%
Transformer	
Rated Power	6250 kVA
Max. Power	7200 kVA
LV/MV Voltage	0.63kV-0.63kV/(10~35)kV
Vector Group	Dy11y11
Cooling	ONAN
Oil Type	Mineral Oil (PCB free)
Protection	
Anti-islanding Protection	Yes
DC Reverse Polarity Protection	Yes
AC Short-circuit Protection	Yes
DC Surge Protection	Yes, compatible with TYPE II protection class according to EN/IEC 62109-1
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DC Input Protection	Circuit Breaker
AC Output Protection	Circuit Breaker
MV Output Protection	Circuit Breaker
Overheat Protection	Yes
AC Short-circuit Protection	Yes
Current Leakage Monitoring	Yes
Insulation Detection	Yes
Anti-PID Function	Optional
General Data	
Dimensions (W x H x D)	12192 x 2896 x 2438
Weight	29 T
Operating Temperature Range	-40 ~ + 60 °C
Topology	Transformerless
Cooling	Forced Air Cooling
Ingress Protection	IP54
Auxiliary Power Supply	5 kVA
Relative Humidity	0~100%(No Condensation)
Max. Operating Altitude	1000 m
Mounting Type	Floor
Display	Touch Screen Display
Communication Interface	Standard: Modbus RS485, Optional: IEC104 Optical Fiber