

GSM5000C-MV

DC1500V Turnkey Solution (Inverter+MV Transformer+RMU)



Max. PV voltage up to 1500V
Max. 48 DC inputs



Max. DC/AC ratio up to 1.5
Full power output under 50°C



IP54 outdoor protection
Modular design for
Easy maintenance



AGC/AVC
Night SVG function
LVRT/HVRT/FRT function

Technical Specifications

MODEL	GSM5000C-MV
Input	
Max. DC input voltage	1500Vdc
MPPT voltage range	800~1300Vdc
Number of DC input	40~48
Max. input current	7000A
Output	
Rated output power	5000kW
Max. output power	5500kW
AC output voltage	10~35kV
LV/MV voltage	0.55kV / 10~35kV
Grid frequency range	50 / 60Hz(±4.5Hz) (adjustable)
Power factor (cosΦ)	1 (0.9 leading – 0.9 lagging) (adjustable)
THDI	<3%
System features	
Inverter Max. efficiency	99%
Inverter Euro efficiency	98.7%
MPPT efficiency	>99%
Cooling type	Forced air cooling
Communication interface	RS485, External Ethernet (optional)
Environment	
Operating temperature range	-40°C ~ +60°C (More than 50°C derating)
Humidity range	0 ~ 95% (non-condensing)
Altitude	2000m
Noise level	<65dB
Protection rating	IP54
Protection devices	
AC leakage current fault protection	Yes
LVRT/HVRT	Yes
Ground fault protection	Yes
Anti-islanding protection	Yes
DC overvoltage protection	Yes
DC surge protection	Yes
AC surge protection	Yes
DC reverse-polarity protection	Yes
Physical	
Dimensions W x D x H (mm)	12192X2438X2896
Weight(t)	25

Specifications subject to change without prior notice.