




**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
<b>Input</b>	
Max. DC input voltage	1500Vdc
MPPT voltage range	800~1300Vdc
Number of DC input	40~48
Max. input current	7000A
<b>Output</b>	
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%
<b>System features</b>	
Inverter Max. efficiency	99%
Inverter Euro efficiency	98.7%
MPPT efficiency	>99%
Cooling type	Forced air cooling
Communication interface	RS485, External Ethernet (optional)
<b>Environment</b>	
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
<b>Protection devices</b>	
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
<b>Physical</b>	
Dimensions W x D x H (mm)	12192X2438X2896
Weight(t)	25

Specifications subject to change without prior notice.