

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

KSTAR

Shinefar solar
— 阳光股份 —

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 (cos ϕ) | | 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.