




GSL2500C-MV

DC1000V Turnkey Solution (Inverter+MV Transformer+RMU)



 Max. PV voltage up to 1000V
Max. 40 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		GSL2500C-MV
Input		
Max. DC input voltage		1000Vdc
MPPT voltage range		580~850Vdc
Number of DC input		16(400A) / 40 (200A)
Max. input current		3870A
Output		
Rated output power		2500kW
Max. output power		2750kW
AC output voltage		10~35kV
LV/MV voltage		0.4kV / 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		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)		6058X2438X2896
Weight(t)		16

Specifications subject to change without prior notice.