




GSM2500C / GSM3000C
DC1500V Container Solution



 Max. PV voltage up to 1500V
Max. 24 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	GSM2500C	GSM3000C
Input		
Max. DC input voltage	1500Vdc	
MPPT voltage range	800~1300Vdc	900~1300Vdc
Number of DC input	20	24
Max. input current	3500A	3740A
Output		
Rated output power	2500kW	3000kW
Max. output power	2750kW	3000kW
Rated output voltage	500Vac	600Vac
Output voltage range	(1±15%)×Rated AC Voltage (adjustable ±5%,±10%,±15%)	
Grid frequency range	50 / 60Hz(±4.5Hz) (adjustable)	
Rated AC output current	2624A	2886A
Max. AC output current	2886A	2886A
Power factor (cosΦ)	1 (0.9 leading – 0.9 lagging) (adjustable)	
THDi	<3%	
System features		
Max. efficiency	99%	
Euro efficiency	98.7%	
MPPT efficiency	>99%	
Standby (night time) losses	<100W	
Cooling type	Forced air cooling	
Communication interface	RS485, External Ethernet (optional)	
Environment		
Operating temperature range	-40 C ~ +60 C (More than 50 C derating)	-40 C ~ +60 C (More than 45 C derating)
Humidity range	0 ~ 95% (non-condensing)	
Altitude	3000m	
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	
AC surge protection	Yes	
DC reverse-polarity protection	Yes	
Physical		
Dimensions W x D x H (mm)	2991x2438x2591	
Weight(t)	5	5.2

Specifications subject to change without prior notice.