

# GSM SERIES Three level PV inverter Technical Specifications

MODEL	GSM0500	GSM0500-MX	GSM1000-MX
<b>INPUT</b>			
Max. DC input power	550KW		1100KW
Max.DC input voltage	1000Vdc		
MPPT tracking voltage range	450 ~ 850Vdc		
Number of MPPT tracking	4		8
DC input number	8		16
Max. input current	1200A		2400A
<b>OUTPUT</b>			
Rated output power	500KW		1000KW
Rated output voltage	315Vac		
Output voltage range	(1±15%)×Normal AC Voltage (adjustable ±5%,±10%,±15%,±20%)		
Gird frequency range	50 / 60Hz(±4.5Hz), (adjustable)		
Rated AC output current	916A		1832A
Max. AC output current	1007A		2014A
Power factor (cosΦ)	1 ( 0.9 leading – 0.9 lagging) (adjustable)		
Total harmonic current distortion (THDi)	<3%		
<b>SYSTEM FEATURES</b>			
Max. efficiency	98.7%		
Euro efficiency	98.5%		
MPPT efficiency	>99%		
Standby (night time) losses	<10W		
Cooling	Forced air cooling		
Communication interface	RS485, External Ethernet (Optional)		
<b>ENVIRONMENTAL</b>			
Operating temperature	-40°C ~ + 60°C ( More than 55°C derating )		
Humidity range	0~95% (non-condensing)		
Altitude	3000m		
Noise level	<60dB		
Protection rating	IP21	IP54	
<b>PHYSICAL</b>			
Dimension W×D×H (mm)	1600×850×2000	2991×2438×2591	4300×2438×2591
Net Weight (kg)	1400	3000	7000
<b>STANDARDS</b>			
Safety	IEC/EN62109-1,IEC/EN62109-2,VDE0126-1-1, VDE AR N4105,G83/59/EEG2012, AS3100/4777,CEI 0-21,, NB/T 32004-2013,etc		
EMC	EN61000-6-2, EN61000-6-3, EN61000-3-11, EN61000-3-12, etc		

Specifications subject to change without prior notice.