

# GSL SERIES Central Grid-tied PV Inverter Technical Specifications

MODEL	GSL0050T	GSL0100T	GSL0250T	GSL0500T	GSL0630T
<b>INPUT</b>					
Max. DC input power	55KW	110KW	275KW	550KW	690KW
Max. DC input voltage	1000Vdc				
MPPT tracking voltage range	450~850Vdc				
Number of MPPT tracking	1				
Max. input current	120A	240A	600A	1200A	1440A
<b>OUTPUT</b>					
Rated output power	50KW	100KW	250KW	500KW	630KW
Rated output voltage	400Vac				
AC output topology	3Ph+N+PE				
Output voltage range	(1±15%) x Normal AC Voltage (adjustable ±5%,±10%,±15%,±20%)				
Grid frequency range	50/ 60Hz (±4.5Hz), (adjustable)				
Rated AC output current	72A	144A	361A	722A	909A
Max. AC output current	79A	158A	397A	794A	1000A
Power factor (cosΦ)	1 ( 0.9 leading – 0.9 lagging) (adjustable)				
Total harmonic current distortion (THDi)	<3%				
<b>SYSTEM FEATURES</b>					
Max. efficiency	97.5%	97.7%	97.9%	98.1%	98.1%
Euro efficiency	97.2%	97.4%	97.6%	97.9%	97.9%
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	<58dB	<58db	<60dB	<60dB	<60dB
Protection rating	IP20		IP21		
<b>PHYSICAL</b>					
Dimension W×D×H (mm)	600×935×1600	835×935×1850	1200×935×2200	1600×935×2200	1600×935×2200
Net weight (kg)	520	900	1470	2800	3150
<b>STANDARDS</b>					
CQC	CNCA/CTS0004-2009A, CNCA/CTS0006-2010, NB/T 32004-2013				
CE	IEC62109-1, IEC62109-2				
TUV	IEC62109-1, IEC62109-2, IEC/EN61000-6-2, IEC/EN61000-6-4, etc				

Specifications subject to change without prior notice.