




GSL0500 / GSL0630 / GSL0750
Central Grid-Tied PV Inverter



 Max. PV voltage up to 1000V
Max. 10 DC inputs

 Max. DC/AC ratio up to 1.5
Full power output under 55°C

 Dustproof protection
Modular design for
Easy maintenance

 AGC/AVC
Night SVG function
LVRT/HVRT/FRT function

Technical Specifications

MODEL	GSL0500	GSL0630	GSL0750
Input			
Max. DC input voltage	1000Vdc		
MPPT voltage range	450~850Vdc	520~850Vdc	500~850Vdc
Number of DC input	8	9	10
Max. input current	1200A	1400A	1500A
Output			
Rated output power	500kW	630kW	750kW
Max. output power	550kW	690kW	825kW
Rated output voltage	315Vac	360Vac	350Vac
Output voltage range	(1±10%)×Rated AC Voltage (adjustable ±5%,±10%,±15%,±20%)		
Grid frequency range	50 / 60Hz(±4.5Hz) (adjustable)		
Rated AC output current	916A	1010A	1237A
Max. AC output current	1008A	1111A	1360A
Power factor (cosΦ)	1 (0.9 leading – 0.9 lagging) (adjustable)		
THDi	<3%		
System features			
Max. efficiency	98.7%		
Euro efficiency	98.5%		
MPPT efficiency	>99%		
Standby (night time) losses	<50W		
Cooling type	Forced air cooling		
Communication interface	RS485, External Ethernet (optional)		
Environment			
Operating temperature range	-40 C ~ +60 C (More than 55 C derating)		
Humidity range	0 ~ 95% (non-condensing)		
Altitude	3000m		
Noise level	<65dB		<70dB
Protection rating	IP21		
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)	1200x800x2000		1600x850x2000
Weight(kg)	1200	1300	1450

Specifications subject to change without prior notice.