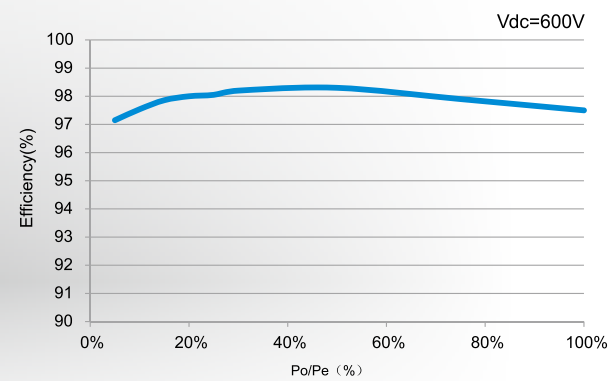


# GSL0500



- More than 25 years of life span
- Transformerless design and compact in size
- System with strong compatibility, easy to extend
- Good cooling system and safety design
- Reactive power adjustable
- Advanced DSP control makes data more accurate
- Active power adjustable continuous full range (0-100%)
- Support a variety of communication interfaces
- Perfect protection functions
- Support SVG function, the realization of power reactive compensation at night

Efficiency curve



Redundancy control circuits designed in and over size metalized film capacitors are used to guarantee its safe operation and system reliability

Unique low voltage ride through function anti-islanding and output abnormal voltage protection secures its safe

## Specifications

DC Input Data	GSL500
Max. Input Power(KW)	550
Max. Input Voltage(Vdc)	900
MPPT Operating Range(Vdc)	450-850
Rated Input Current(A)	1200
MPPT Channel	1

AC Output data	GSL500
Max. Output Power(W)	500
Rated Output Voltage(Vac)	270 OR 315
AC Output Topology	3Ph-PE
Output Voltage Range	(1±15%)X Normal AC Voltage (adjustable ±5%, ±10%, ±15%)
Grid Frequency Range(Hz)	50/60 ±4.5, adjustable
Rated AC Output Current(A)	1070 or 916
Max. AC Output Current(A)	1176 or 1007
Power Factor(cosφ)	0.9
Total Harmonic Current Distortion(THDi)	< 3%

System Features	GSL500
Max. Efficiency	98.70%
European Efficiency	98.20%
MTTP Efficiency	> 99%
Night time power consumption(W)	< 10
Cooling	Forced Air Cooling
Communication interface	RS485 external Ethernet(Optional)

Environmental	GSL500
Available ambient temperature	-40°C ~+55°C
Humidity	0~95%, no condensation
Altitude(m)	3000
Noise Level(Db)	< 60
Protection level	IP20

Physical	GSL500
Dimension (W x H x D)mm	1600×1850×945
Weight(Kg)	1350
Display	LCD Keyboard

Standards	GSL500
Safety	IEC/EN62109-1, IEC/EN62109-2, LVRT, etc
EMC	IEC/EN621000-6-2, IEC/EN621000-6-4, etc

