



HYBRID INVERTER

GSL-H-5.0K-US-B GSL-H-7.6K-US-B



Max. Efficiency
97.6%



High Power
Factor



2 MPPT



RS485/CAN



Six Time of
Use Setting



Internal SPD



Zero Export



High Surge
Endurance



IP65 Ingress
Protection



AC Coupled



Support Generator
Connection



Support Multiple
Parallel

Battery Input Data	GSL-H-5K-US-B	GSL-H-7.6K-US-B
Battery Type	Lead-acid or Li-Ion	
Battery Voltage Range (V)	40~60V	
Max.Charging Current (A)	120A	190A
Max.Discharging Current (A)	120A	190A
Charging Curve	3 Stages/Equalization	3 Stages/Equalization
External Temperature Sensor	Optional	Optional
Charging Strategy for Li-Ion Battery	Self-adaption to BMS	Self-adaption to BMS

PV String Input Data	GSL-H-5K-US-B	GSL-H-7.6K-US-B
Max. DC Input Power	6500W	9880W
PV Input Voltage (V)	370V (100V~500V)	370V (100V~500V)
MPPT Range (V)	125V-425V	125V-425V
Start-up Voltage (V)	125V	125V
PV Input Current (A)	11A+11A	18A+18A
No.of MPPT Trackers		2
No.of Strings Per MPPT Trackers	1+1	2+2

AC Output Data	GSL-H-5K-US-B	GSL-H-7.6K-US-B
Rated AC Output and UPS Power (W)	5000W	7600W
Max AC Output Power (W)	5500W	8360W
Peak Power (off grid)	2 times of rated power,10S	
AC Output Rated Current (A)	20.8A	31.7A/33A
Max.AC Current (A)	24A	36.4A/38A
Max Continuous AC Passthrough (A)	35A	50A
Output Frequency and Voltage	50/60Hz; 240V (single phase) 120Vac&240Vac (split phase)	
Grid Type	Split phase,2/3 phase	
Current Harmonic Distortion	THD < 3% (Linear load < 1.5%)	

Efficiency	GSL-H-5K-US-B	GSL-H-7.6K-US-B
Max.Efficiency	97.60%	
Euro Efficiency	97.00%	
MPPT Efficiency	99.90%	

Protection	GSL-H-5K-US-B	GSL-H-7.6K-US-B
PV Arc Fault Detection	Integrated (Except European Type)	
PV Input Lightning Protection	Integrated	
Anti-islanding Protection	Integrated	
PV String Input Reverse Polarity Protection	Integrated	
Insulation Resistor Detection	Integrated	
Residual Current Monitoring Unit	Integrated	
Output Over Current Protection	Integrated	
Output Shorted Protection	Integrated	
Output Over Voltage Protection	Integrated	

Certifications and Standards	GSL-H-5K-US-B	GSL-H-7.6K-US-B
Grid Regulation	UL1741,IEEE1547,RULE21,VDE0126,AS4777,NRS2017,G98,G99	
Safety Regulation	IEC62109-1,IEC62109-2	
EMC	EN61000-6-1,EN61000-6-3,FCC 15 class B	

General Data	GSL-H-5K-US-B	GSL-H-7.6K-US-B
Operating Temperature Range (°C)	-25~60°C, >45°C Derating	
Cooling	Fan	
Noise (dB)	< 30	
Communication with BMS	RS485;CAN	
Weight (kg)	42KG	
Size (Length*Width*Height mm)	416×549×243mm	
Protection Degree	IP65	
Installation Style	RACK -MOUNTED	
Warranty	5 years	