

# GSL Series

## Stacked Pv & Battery Energy Storage Integrated Machine

### Product introduction >>

This series of products is a stacked all-in-one machine that integrates a hybrid inverter and an energy stored battery. Multiple application modes, high power density, plug-and-play, hidden wiring design are widely used in small commercial and home energy storage.



#### Multiple application modes

Three output modes; Four charging modes.



#### Flexible combination method

Stacked design;  
Battery pack capacity expansion on demand.



#### High security

DSP control, advanced control algorithm;  
Multiple safety warnings and protection.



#### Smart and friendly

Intelligent battery management system;  
APP cloud real-time monitoring.



### Product parameters >>

Model	GSL48				
	5.5K-10kWh	5.5K-20kWh	5.5K-30kWh	10K-10kWh	10K-20kWh
<b>Inverted Output</b>					
Rated Output Power(W)	5500			10000	
Rated Output Powe(VA)	5500			10000	
Maximum Peak Power(W)	10000			15000	
Rated AC Output	230VAC(Can be set200/208/220/240VAC,50/60Hz)			230VAC/400VAC (50/60Hz)	
Output Voltage Waveform	Pure Sine Wave				
Inverter and Bypass Switching Time	10ms (typical)				
Maximum Battery Inverter Efficiency	93%				
Overload Protection	102%~110%, 5min; 110%~125%, 10s; >125%, 5s				
<b>Battery</b>					
Energy Capacity(kWh)	10	20	30	10	20
Battery Module Quantity	1	2	3	1	2
Rated Battery Voltage(VDC)	48				
Battery Voltage Range(V)	42~54.75/44.8~58.4				
Rated Charge-Discharge Rate	0.5C			1C	
Max.MPPT Charging Current(A)	100			200	
Max.Mains Charging Current(A)	60			120	
Maxi.Hybrid Charging Current(A)	100			200	
<b>PV Charging</b>					
MPPT Quantity	1			2	
Max. PV Array Power(W)	5500			5500+5500	
Max. PV Input Current(A)	22			22+22	
Max. Open Circuit Voltage(VDC)	500			500+500	
MPPT Work Range(V)	120~450				
MPPT Tracking Efficiency	99.9%				
<b>Mains Input</b>					
Input Voltage Range(VAC)	90~280/170~280				
Frequency Range(Hz)	50/60±0.3				
<b>Specifications</b>					
Dimensions(W*D*H)mm	250*690*850	250*690*1310	250*690*1770	250*690*960	250*690*1420
Weight(kg)	125	225	325	128	228
Classification of Waterproof	IP20				
Operating Temperature Range(°C)	-10~55				
Storage Temperature Range(°C)	-25~60				
Noise(dB)	<60				
Heat Dissipation	Inverter forced air cooling (variable speed of fan) / Battery natural air cooling				

Note: The above data is for reference and subject to change without prior notice. Special voltages can be customized.