

PV & BATTERY ENERGY STORAGE INTEGRATED MACHINE

Product introduction >>

This series of products is a wheel type all-in-one machine that integrates hybrid inverters and energy storage batteries.

Multiple application modes; Beautiful appearance, flexible mobility, and circular arc design are widely used in small commercial and home energy storage.



Multiple application modes
Three output modes;
Four charging modes.



High Safety
DSP control, advanced control algorithm;
Multiple security warnings and protection.



Intelligent and Friendly
Intelligent battery management system;
Real time monitoring of APP cloud.



Product parameter >>

Model	GSL48-3.5K-5kWh
INVERTED OUTPUT	
Rated output power(W)	3500
Rated output power(VA)	3500
Maximum peak power(W)	6000
Rated AC output	230VAC (Can be set to200/208/220/240VAC) , 50/60Hz
Output voltage waveform	Pure sine wave
Switching time between inverter and bypass	10ms (Typical))
Maximum battery inverter efficiency	93%
overload protection	102%~110%, 5min; 110%~125%, 10s; >125%, 2s
BATTERY	
Capacity(kWh)	100
Rated battery voltage(VDC)	48/51.2
Battery voltage range(V)	42~54.75/44.8~58.4
Maximum MPPT charging current(A)	50
Maximum mains charging current(A)	50
Maximum mixed charging current(A)	50
PHOTOVOLTAIC CHARGING	
MPPT quantity	1
Maximum photovoltaic array power(W)	5500
Maximum photovoltaic input current(A)	22
Maximum open circuit voltage(VDC)	500
MPPT scope of work(V)	70~450
MPPT tracking efficiency	99.9%
MAINS INPUT	
Input voltage range(VAC)	90~280/170~280
Frequency range(Hz)	50/60±0.3
SPECIFICATIONS	
Dimensions (D*W*H)mm	210*500*805
Weight (kg)	70
Waterproof level	IP20
Working temperature range(°C)	-10~55
Storage temperature range(°C)	-25~60
Noise(dB)	<60
Cooling method	Forced air cooling

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

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 storage 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 parameter >>

Model	GSL48-5.5K-10kWh		GSL48-5.5K-20kWh		GSL48-5.5K-30kWh	
INVERTER OUTPUT						
Rated output power(W)	5500					
Rated output powe(VA)	5500					
Maximum peak power(W)	11000					
Rated AC output	230VAC (Can be set200/208/220/240VAC,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%, 2s					
BATTERY						
Energy Capacity(kWh)	10		20		30	
Battery Module Quantity	1		2		3	
Rated Battery Voltage(VDC)	48/51.2					
Battery Voltage Range(V)	42~54.75/44.8~58.4					
Max.MPPT Charging Current(A)	100					
Max.Mains Charging Current(A)	60					
Maxi.Hybrid Charging Current(A)	100					
PV CHARGING						
MPPT Quantity	1					
Max. PV Array Power(W)	5500					
Max. PV Input Current(A)	22					
Max. Open Circuit Voltage(VDC)	500					
MPPT Work Range(V)	70~450					
MPPT Tracking Efficiency	99.9%					
MAINS INPUT						
Input Voltage Range(VAC)	90~280/170~280					
Frequency Range(Hz)	50/60±0.3					
SPECIFICATIONS						
Dimensions(W*D*H)mm	250*690*850		250*690*1310		250*690*1770	
Weight(kg)	125		225		325	
Classification of Waterproof	IP20					
OperatingTemperature 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.