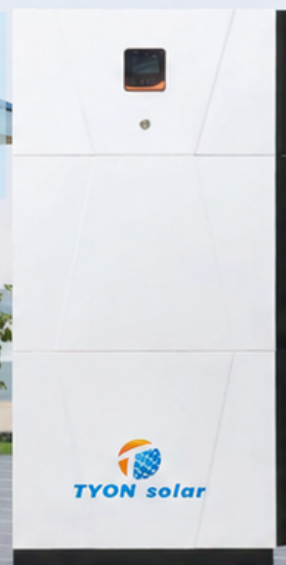


All-in-One PV Energy Storage System

Lithium Battery GSL Series



Product Introduction >>

This series is an integrated all-in-one energy storage cabinet that combines lithium batteries, inverters, and energy management systems. With multiple application modes, high efficiency, instant response, and a user-friendly design, it is widely used in commercial and industrial energy storage applications.



Multiple Application Modes
Three-phase output mode,
four charging modes



Flexible Configuration
Stacked design;
battery expansion at any time



High Safety
DSP control, advanced control algorithm;
multiple safety protection



Smart & User-Friendly
Intelligent energy management system;
APP cloud monitoring

All-in-One PV Energy Storage System

Lithium Battery GSL Series

Product Parameters >>

Model	GSL48-5.5K-10kWh	GSL48-5.5K-20kWh	GSL48-5.5K-30kWh
Inverter Output			
Rated Output Power (W)	5500		
Rated Output Power (VA)	5500		
Max. PV Input Power (W)	11000		
Rated AC Output Voltage	230VAC (Configurable 200/208/220/240VAC) , 50/60Hz		
Output Voltage Waveform	Pure Sine Wave		
Inverter Response Time (ms)	10 (Typical)		
Max. Inverter Efficiency	93%		
Overload Protection	102%~110%, 5min; 110%~125%, 10s, >125%, 2s		
Battery			
Energy (kWh)	10	20	30
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. Charge Current (A)	60		
Max. Discharge Current (A)	100		
PV Charging			
MPPT Quantity	1		
Max. PV Input Power (W)	5500		
Max. PV Input Current (A)	22		
Max. PV Input Voltage (VDC)	500		
MPPT Voltage Range (V)	70~450		
MPPT Efficiency	99.9%		
Grid Input			
Input Voltage Range (VAC)	90~280/170~280		
Frequency Range (Hz)	50/60±0.3		
General Specifications			
Dimensions (W*D*H, mm)	250*690*850	250*690*1310	250*690*1770
Weight (kg)	125	225	325
Ingress Protection	IP20		
Operating Temperature (°C)	-10~55		
Storage Temperature (°C)	-25~60		
Noise (dB)	<60		
Cooling Method	Forced Air Cooling / Natural Cooling		

Note: The above data are for reference only. Tyon Solar reserves the right of final interpretation.



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