

PV & BATTERY ENERGY STORAGE INTEGRATED MACHINE

Lithium Iron Phosphate Battery GSL Product Series



GSL-0.5/1KVA-2.5KWh



GSL-3/5KVA-10KWh

Product introduction

Lithium battery integrated machine, integrated lithium battery and photovoltaic inverter controller integrated machine, can realize photovoltaic and mains power supply mode, battery or bypass priority can be set, with multiple protections, such as input battery over-voltage protection, under-voltage protection, over-current protection, output under-voltage protection, over-current three-level protection (peak high current, RMS current, peak over-current soft start).

Built-in lithium battery can store excess power to meet the uninterrupted use of small outdoor equipment.

Performance characteristics

- Modular structure design, easy to assemble and maintain, and the volume is half of that of conventional lead-acid batteries;
- Pure sine wave output, perfect protection function;
- Optional fingerprint lock with anti-theft function;
- High efficiency, low standby loss;
- Standard 60A MPPT photovoltaic controller, optional 10A AC charger.

Technical parameters

Model	GSL-0.5/1KVA-2.5KWh	GSL-3/5KVA-10KWh
Input		
Nominal input volt	230 VAC single phase	
Option input volt range	170-280 VAC (computer) ; 90-280 VAC (home appliance)	
Input frequency range	50 Hz/60 Hz	
Output		
Nominal output volt (Bat mode)	230VAC ± 5% single phase	
Surge power	10000VA	
Max. efficiency	90%~93%	
Output waveform	Pure sine wave	
Switch time	10 ms (Computer) ; 20 ms (Home appliance)	
Peak	3:1	
Battery		
Lithium type	LiFePO4	
Battery capacity	Standard 50AH	Standard 100~200AH (100AH~300AH Option)
Nominal bat volt	48VDC	
Charging volt	52.5VDC	
AC charging+PV charging		
Charging type	MPPT	
Max. PV power	1KW	3KW
MPPT range	60-115VDC	
Max. PV open circuit volt	150V	
Max. PV charging current	60A	
Max. AC charging current	10A	
Size		
Size (W*D*H mm)	510*210*695	700*300*1200
Net weight	32Kg	143Kg
Communication interface	RS232	
Ambient		
Humidity	0 ~ 95% No condensation	
Working temperature	-10°C ~ 50°C	
Storage temperature	-15°C ~ 60°C	

The above data are for reference only and are subject to change without prior notice. Special voltage can be customized.