

MODEL : GSB-30 HYBRID POWER STATION



Design Standards

GSB® is a new range of secure integrated hybrid power station. With diesel generator, solar power, battery storage and hybrid solar Inverter in one secure unit.

GSB® is mainly developed for residents Power, Reduce the dependence on Main Power and decrease the consumption cost.

Benefits

- Integrated installation, convenient storage and transportation;
- High return on investment and quick return;
- Simple operation and easy maintenance;
- Power and Capacity can be expanded, meet different user needs;
- Accept customer customization, suitable for various scenarios;

Warranty

Battery Performance: 4000 cycles(80% DOD) or 2 years after manufacture;
Generator: 18 months after manufacture or 1500 hours running time;



General Specification

System Rated Output Power	30kW / kVA	
Rated Output Voltage	400V@50Hz / 480V@60Hz,3ph. (According to customer requirements)	
Min.Battery Storage Capacity	40 kWh	
Max.Battery Storage Capacity	60 kWh	
Max.Solar Power	2300W	
Output Terminals	Copper terminals & CEE 50A/5P Socket	
Expand Dimension(W*D*H)	3650*5500*3350mm	
Loading Dimension(W*D*H)	3650*1150*2250mm	
Net.Weight	3400kg	
Loading Capacity	20'GP	2 units
	40'HC	6 units
Discharge Temperature Range	-20°C~50°C	

SOLAR PANEL

MAX. POWER:

2300_W

With HIGH EFFICIENCY

UP TO **21%~!!**

GENERATOR

MAX. POWER: 24kW

With LOW CONSUMPTION

INTELLIGENT PCS
with EMS

EASY OPERATION ON
ONE SCREEN

Fits the practical
application & guaranteed
by high-quality
manufacturing
technology



Generator Set

Prime Power	10kVA~30kVA
Engine to Ref.	YANMAR / PERKINS / KUBOTA / FPT
Fuel Tank Capacity	100 L

Solar Panel

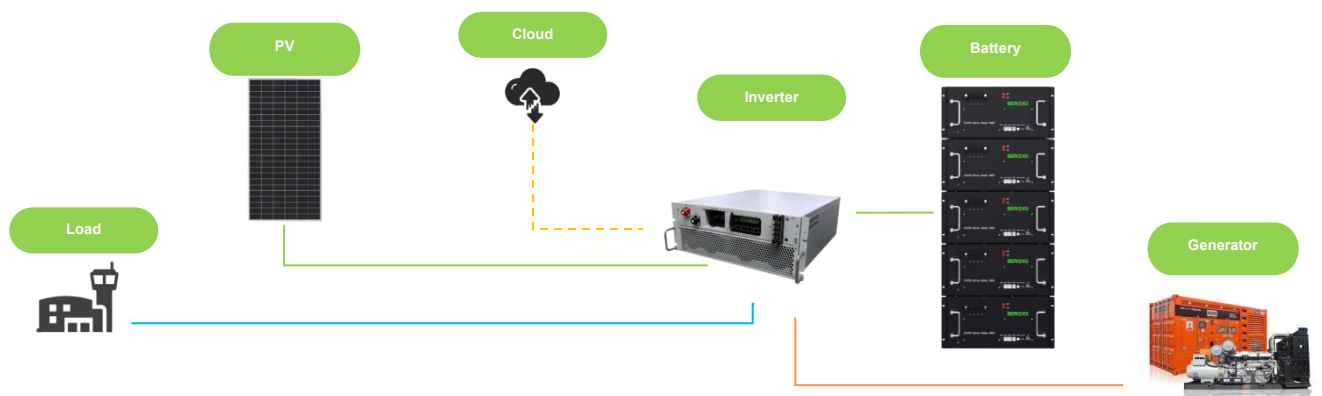
Maximum Power	460W
Qty.	5pcs

Energy Storage Battery

Cell Type	LFP(LiFePO4)
Pack Model	MF51100
Pack Capacity	5.12 kWh
Rated Cycle Life	≥4000 (80% DOD)

Hybrid Inverter System

Solar Controller	MPPT*2
AC Voltage Range	380~415Vac@50HZ / 480V@60HZ
Rated Output Power	30kVA(0.8leading~0.8lagging)



Power Priority	Highest PV	Secondary Battery	Back Up Generator
Functions	Take load/charge	Take load	Take load/charge



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