

## MODEL : GSB-30S

### 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;
- Seamless changeover between the power sources;

#### 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		30 kVA
Rated Power Factor		1.0
Rated Output Voltage		208V@50Hz/60Hz,3ph. (220V~240V available)
Min.Battery Storage Capacity		30 kWh
Max.Battery Storage Capacity		60 kWh
Max.Solar Power		2300Wp
Output	Terminals	Copper Bubar
	Sockets	MAX. 4 Sockets available
Expand Dimension(W*D*H)		3900*5500*3650mm
Loading Dimension(W*D*H)		3900*1150*2550mm
Net.Weight		3500kg
Loading Capacity	20'GP	N/A
	40'HC	6 units
Discharge Temperature Range		-20℃~50℃

## SOLAR PANEL

MAX. POWER:

**2300<sub>W</sub>**

With HIGH EFFICIENCY

UP TO **21%~!!**

## GENERATOR

MAX. POWER: 30kW

With LOW CONSUMPTION

## INTELLIGENT INVERTER

ONE PIECE FOR  
**SOLAR & BATTERY**  
& **GRID**  
& **GENERATOR**

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



## Generator Set

Prime Power	30kVA
Engine to Ref.	YANMAR / PERKINS / KUBOTA
Fuel Tank Capacity	200 L (Bunded)

## Solar Panel

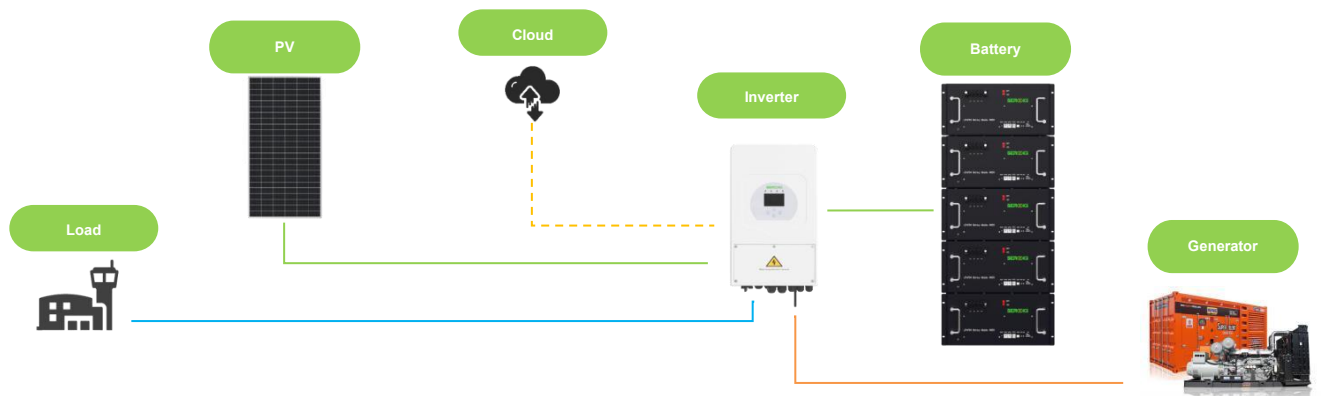
Maximum Power	460Wp*5pcs
PV Cell Style	PERC

## Energy Storage Battery

Cell Type	LFP(LiFePO4)
Pack Model	MF51100
Pack Capacity	5.12 kWh
Rack Voltage	51.2Vdc
Rated Cycle Life	≥4000 (80% DOD)

## Hybrid Inverter System

Solar Input	36.8kWp allowed for external PV array
AC Voltage Range	208~240Vac
Rated Output Power	32kVA(0.8leading~0.8lagging)



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



MPMC USA



MPMC UAE



MPMC ZA



MPMC CN

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