

## 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;
- 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		0.8 lagging	
Rated Output Voltage		380V/220V 400V/230V 415V/240V	
Min.Battery Storage Capacity		40 kWh	112 kWh
Max.Battery Storage Capacity		64kWh	112 kWh
Max.Solar Power		2300Wp	
Output	Terminals	Copper Bubar	
	Sockets	MAX. 4 Sockets available	
Expand Dimension(W*D*H)		3250*5500*3350mm	3900*5500*3650mm
Loading Dimension(W*D*H)		3250*1150*2250mm	3900*1150*2550mm
Net.Weight		3400kg	4000kg
Loading Capacity	20'GP	2 units	N/A
	40'HC	6 units	6 units
Discharge Temperature Range		-20℃~50℃	

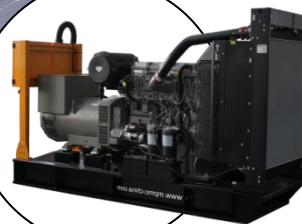
## SOLAR PANEL

MAX. POWER:

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

With HIGH EFFICIENCY

UP TO **21%~!!**



## GENERATOR

MAX. POWER: 24kW

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	100 L (Bunded)	200 L (Bunded)

## Solar Panel

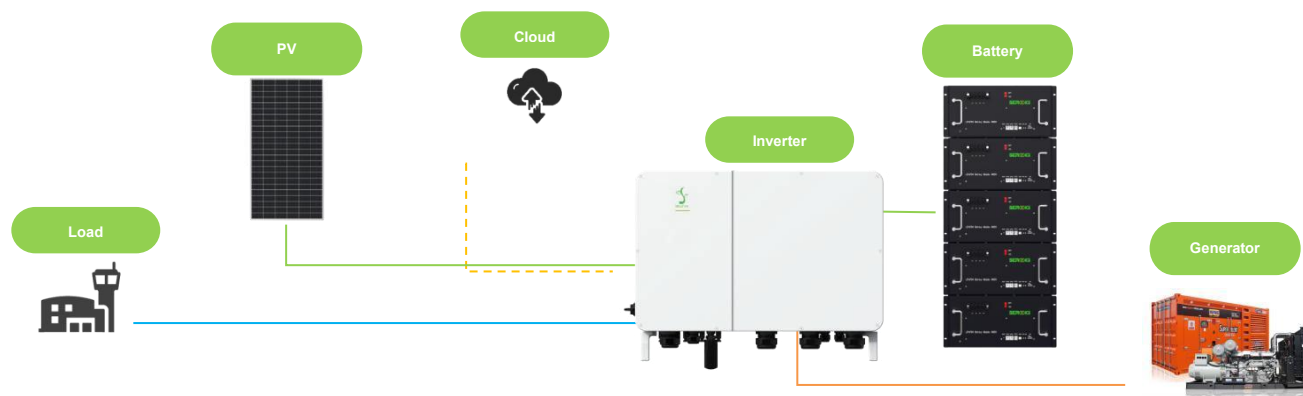
Maximum Power	460Wp*5pcs	
PV Cell Style	PERC	

## Energy Storage Battery

Cell Type	LFP(LiFePO4)	
Pack Model	MF51100	MF51314
Pack Capacity	5.12 kWh	16.077 kWh
Rack Voltage	410~614Vdc	358Vdc
Rated Cycle Life	≥6000 (80% DOD)	

## Hybrid Inverter System

Solar Input	60kW	
AC Voltage Range	380V/220V 400V/230V 415V/240V	
Rated Output Power	30kVA(0.8leading~0.8lagging)	



Power Priority	Highest	Secondary	Back Up
Functions	Take load/charge	Take load	Take load/charge



MPMC USA



MPMC UAE



MPMC ZA



MPMC CN

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