

## MODEL : GSB-20 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	20kW / KVA	
Rated Output Voltage	380V@50Hz/60Hz,3ph. (According to customer requirements)	
Min.Battery Storage Capacity	20 kWh	
Max.Battery Storage Capacity	40 kWh	
Max.Solar Power	2300W	
Output Terminals	Copper terminals & CEE 32A/5P Socket	
Expand Dimension(W*D*H)	2950*5500*3350mm	
Loading Dimension(W*D*H)	2950*1150*2250mm	
Net.Weight	3100kg	
Loading Capacity	20'GP	4 units
	40'HC	8 units
Discharge Temperature Range	-20°C~50°C	

## SOLAR PANEL

MAX. POWER:

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

With HIGH EFFICIENCY

UP TO **21%~!!**

## GENERATOR

MAX. POWER: 16kW

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	10kVA~20kVA
Engine to Ref.	YANMAR / PERKINS / KUBOTA / FPT
Fuel Tank Capacity	100 L

## Solar Panel

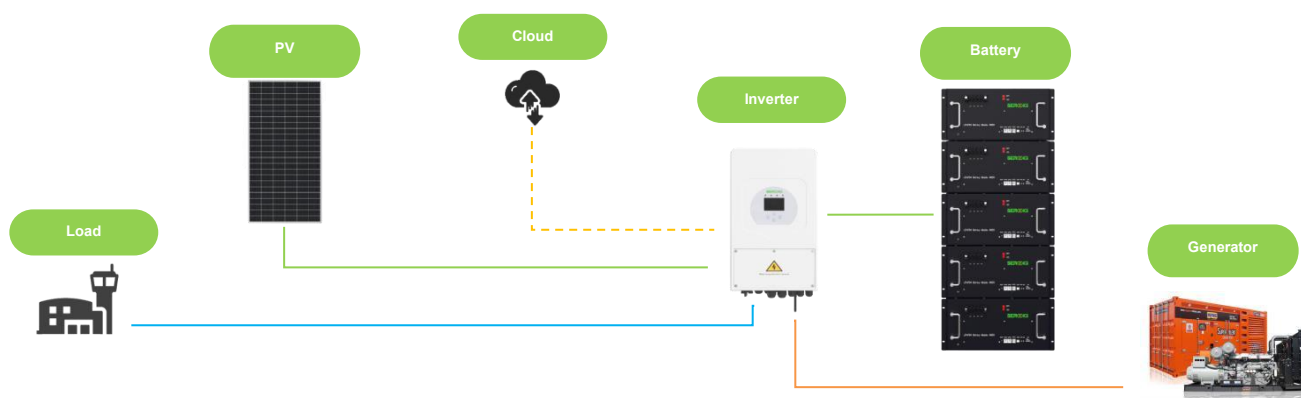
Maximum Power	460W
Qty.	5pcs

## 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*4
AC Voltage Range	380~415Vac
Rated Output Power	20kVA(0.8leading~0.8lagging)



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



MPMC USA



MPMC UK



MPMC ZA



MPMC UAE



MPMC PA



MPMC CN

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