

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;
- 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		20 kVA
Rated Power Factor		0.8 lagging
Rated Output Voltage		380V@50Hz/60Hz,3ph. (400V & 415V available)
Min.Battery Storage Capacity		20 kWh
Max.Battery Storage Capacity		40 kWh
Max.Solar Power		2300Wp
Output	Terminals	Copper Busbar
	Sockets	MAX. 4 Sockets available
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℃~50℃

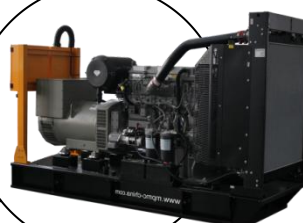
SOLAR PANEL

MAX. POWER:

2300_W

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	20kVA
Engine to Ref.	YANMAR / PERKINS / KUBOTA
Fuel Tank Capacity	100 L (Bunded)

Solar Panel

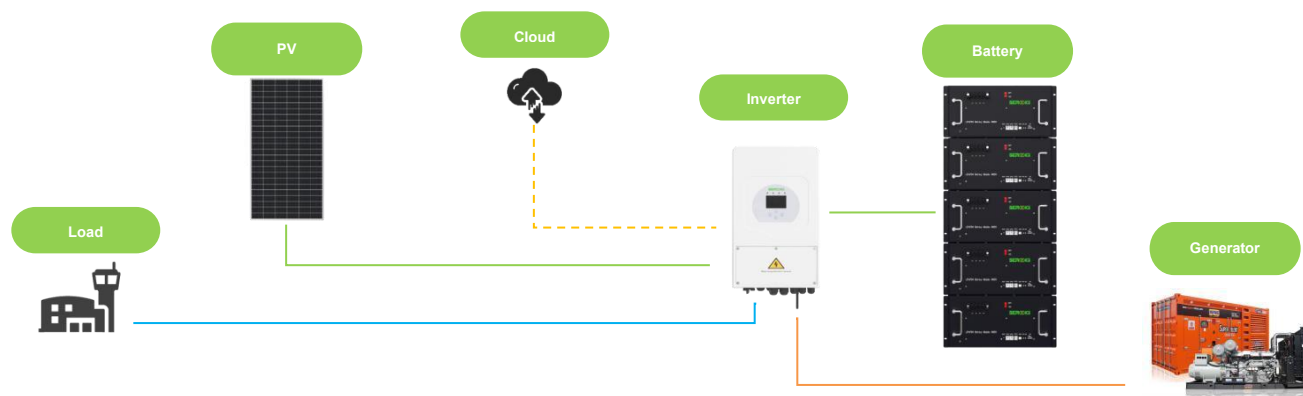
Maximum Power	460Wp*5pcs
PV Cell Style	PERC

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	21kWp allowed for external PV array
AC Voltage Range	380~415Vac
Rated Output Power	20kVA(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

MPMC POWERTECH CORP.

www.mpmc-china.com | www.mpmc-group.com
sales@mpmc-china.com

Photographs are for illustrative purposes only and may not reflect final specification.

Follow us



<https://www.facebook.com/mpmcgroup>



<https://www.linkedin.com/company/mpmcpowertech/>



<https://www.youtube.com/user/MPMCGenerator>

All information in this document is substantially correct at time of printing and may be altered subsequently. Final weight and dimensions will depend on completed specification.