

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: Throughout 1.6MWh/kWh or 3 years after manufacture;
Generator: 24 months after manufacture or 1500 hours running time;



LABORATORY ACCREDITATION CERTIFICATE

Certificate of the World Manufacturer Identifier Code

General Specification

System Rated Output Power	20 kVA	
Rated Power Factor	0.8 lagging	
Rated Output Voltage	380V@50Hz/60Hz,3ph.4W (400V & 415V available)	
Min.Battery Storage Capacity	41.0kWh	
Max.Battery Storage Capacity	41.0kWh	
Max.Solar Power	2375Wp	
Output	Terminals	Copper Bubar
	Sockets	MAX. 4 Sockets available
Expand Dimension(W*D*H)	2950*5500*3350mm	
Loading Dimension(W*D*H)	2950*1150*2250mm	
Net.Weight	2600kg	
Loading Capacity	20'GP	4 units
	40'HC	8 units
Discharge Temperature Range	-20℃~50℃	

SOLAR PANEL

MAX. POWER:

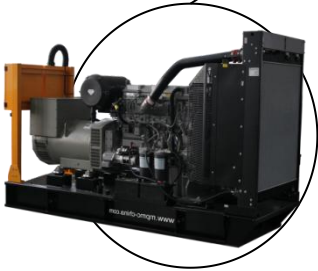
2375W

With HIGH EFFICIENCY

UP TO **21%~!!**



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



GENERATOR

MAX. POWER: 17kW

With LOW CONSUMPTION



INTELLIGENT INVERTER

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

Generator Set

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

Solar Panel

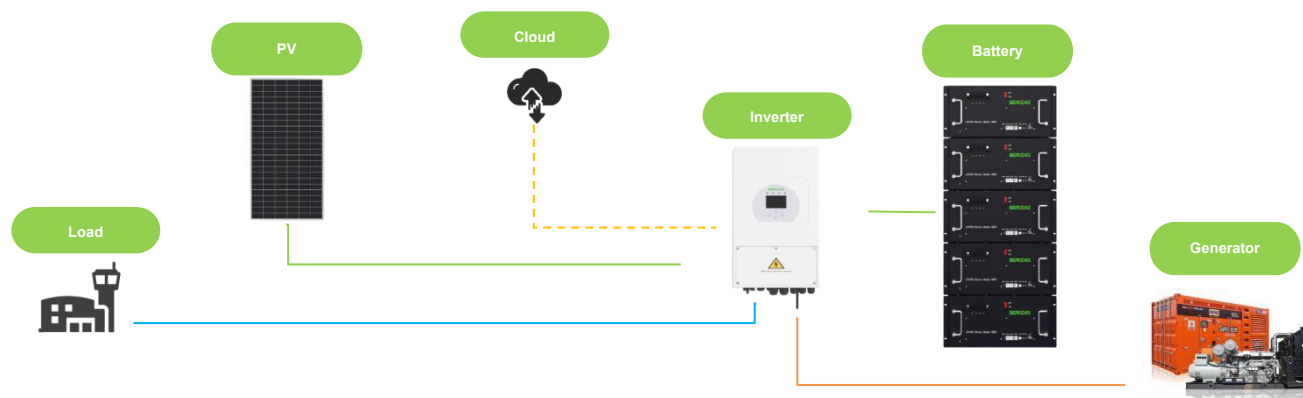
Maximum Power	475Wp*5pcs
PV Cell Style	HJT

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(MPPT)	Max. 26kWp DC(MC4 connectors)
AC Input / Output	3P+N+PE / 3P+N+PE
Peak Output Power	20kVA(0.8leading~0.8lagging)



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



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.