

MODEL : GB-20

HYBRID POWER STATION



Design Standards

GB® is a new range of secure integrated hybrid power station. With diesel generator, battery storage and hybrid solar Inverter in one secure unit.

GB® 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

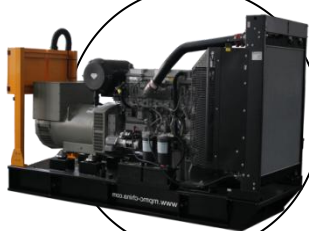
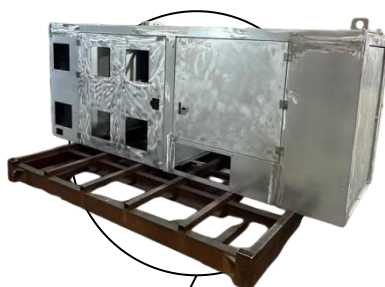
General Specification

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		N/A
Output	Terminals	Copper Bubar
	Sockets	MAX. 4 Sockets available
Expand Dimension(W*D*H)		2950*1150*1633mm
Loading Dimension(W*D*H)		2950*1150*1633mm
Net.Weight		2300kg
Loading Capacity	20'GP	4 units
	40'HC	8 units
Discharge Temperature Range		-20℃~50℃

HIGH STRENGTH
METAL FRAME

COFFIDENCE IN
FACING **WIND & RAIN**
& **SNOW**

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

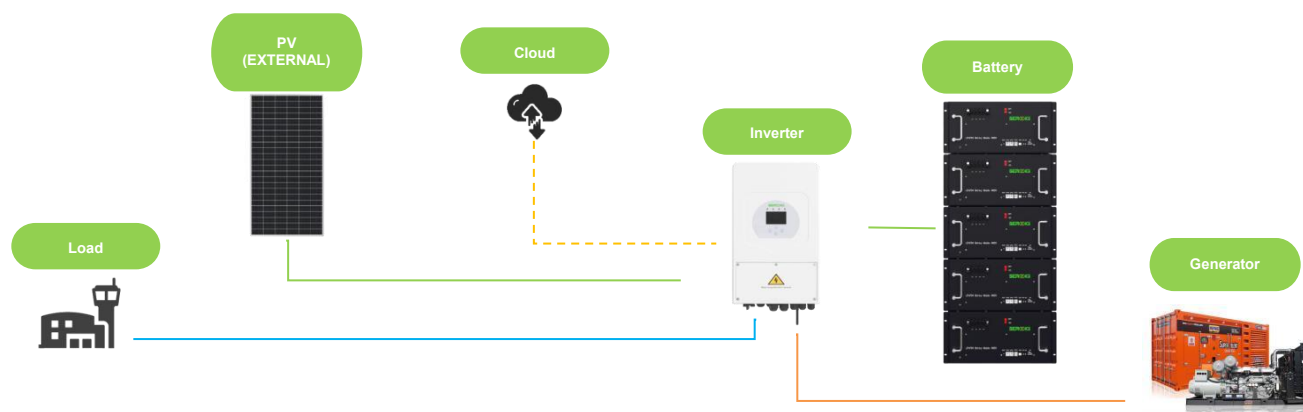
Maximum Power	N/A
PV Cell Style	N/A

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	Take load/charge PV	Take load Battery	Take load/charge Generator



MPMC USA



MPMC CN

MPMC POWERTECH CORP.

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