

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 for option.

GB® is mainly developed for lower emission, 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;



ISO9001:2015
Quality system certified



ISO14001
System certified



OHSAS18001
System certified



CE certified

General Specification

System Rated Output Power		20kVA
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
Output	Terminals	Copper Busbar
	Sockets	MAX. 4 Sockets available
Expand Dimension(W*D*H)		2950*1150*1600mm
Loading Dimension(W*D*H)		2950*1150*1600mm
Net.Weight		2400kg
Loading Capacity	20'GP	4 units
	40'HC	8 units
Discharge Temperature Range		-20°C~50°C



GENERATOR
MAX. POWER: 16kW

With LOW CONSUMPTION

HIGH STRENGTH
METAL FRAME

COFFIDENCE IN
FACING WIND & RAIN
& SNOW

INTELLIGENT INVERTER

ONE PIECE FOR
SOLAR & BATTERY
& GRID
& GENERATOR

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



Generator Set

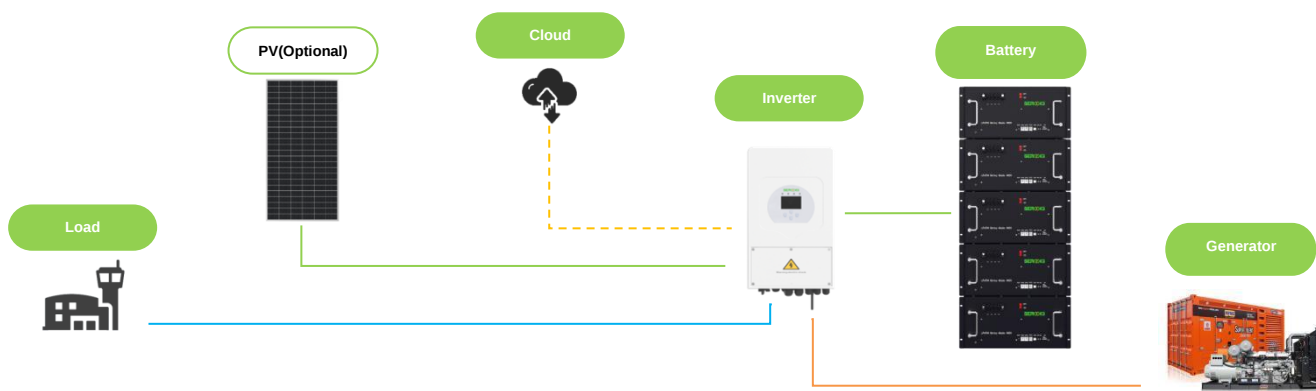
Prime Power	20kVA
Engine to Ref.	YANMAR / PERKINS / KUBOTA
Fuel Tank Capacity	100 L (Bunded)

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 (Reserve)	MPPT*4 , 26kWp Allowed
AC Voltage Range	380~415Vac
Rated Output Power	20kVA(0.8leading~0.8lagging)



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



MPMC USA



MPMC UAE



MPMC ZA



MPMC CN

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