

MODEL : GB-120

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



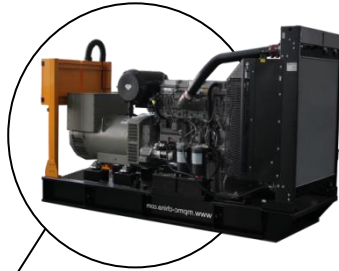
OHSAS18001
System certified



CE certified

General Specification

System Rated Output Power		120kVA	
Rated Power Factor		0.8 lagging	
Rated Output Voltage		380V@50Hz/60Hz,3ph. (400V & 415V available ; 480V@60HZ 3P3W)	
Min.Battery Storage Capacity		200 kWh	400kWh
Max.Battery Storage Capacity		200 kWh	400kWh
Output	Terminals	Copper Busbar	
	Sockets	MAX. 4 Sockets available	
Expand Dimension(W*D*H)		3900*1600*2000mm	20'GP
Loading Dimension(W*D*H)		3900*1600*2000mm	20'GP
Net.Weight		6500kg	9000kg
Loading Capacity	20'GP	1 unit	1 unit
	40'HC	3 units	2 units
Discharge Temperature Range		-20°C~50°C	



GENERATOR
MAX. POWER: 100kW
With LOW CONSUMPTION



**HIGH STRENGTH
METAL FRAME**

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

**INTELLIGENT PCS
with EMS**

**EASY
OPERATION ON
ONE SCREEN**

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



Generator Set

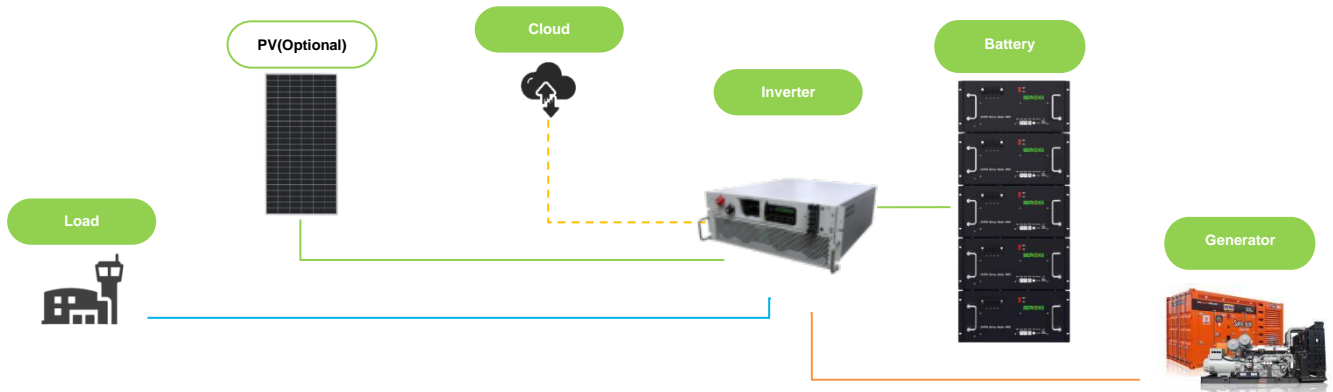
Prime Power	125kVA	
Engine to Ref.	CUMMINS / PERKINS / FPT	
Fuel Tank Capacity	300 L (Bunded)	800 L (Bunded)

Energy Storage Battery

Cell Type	LFP(LiFePO4)	
Pack Model	MF51280	
Pack Capacity	14.336 kWh	
Rack Voltage	716Vdc	
Rated Cycle Life	≥4000 (80% DOD)	

Hybrid Inverter System

Solar Input (Optional)	3kWp/10kWp/45kWp/90kWp/135kWp Allowed	
AC Voltage Range	380~415Vac(480Vac@60HZ)	
Rated Output Power	120kVA(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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