

MODEL : GB-30

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: 6000 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		30kVA	
Rated Power Factor		0.8 lagging	
Rated Output Voltage		50/60Hz 380V/220V 400V/230V 415V/240V	
Min. Battery Storage Capacity		40 kWh	112kWh
Max. Battery Storage Capacity		60 kWh	112kWh
Output	Terminals	Copper Busbar	
	Sockets	MAX. 4 Sockets available	
Expand Dimension(W*D*H)		3250*1150*1600mm	3900*1150*1900
Loading Dimension(W*D*H)		3250*1150*1600mm	3900*1150*1900
Net. Weight		2500kg	3200kg
Loading Capacity	20'GP	2 units	
	40'HC	6 units	
Discharge Temperature Range		-20°C~50°C	



GENERATOR
MAX. POWER: 24kW

With LOW CONSUMPTION

HIGH STRENGTH
METAL FRAME

CONFIDENCE 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

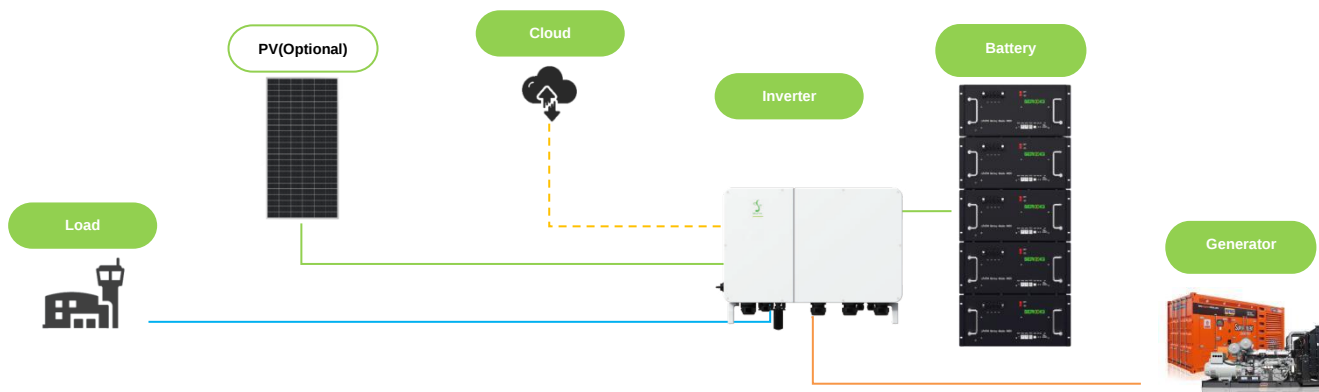
Prime Power	30kVA	
Engine to Ref.	YANMAR / PERKINS / KUBOTA	
Fuel Tank Capacity	100 L (Bunded)	200 L (Bunded)

Energy Storage Battery

Cell Type	LFP(LiFePO4)	
Pack Model	MF51100	MF51314
Pack Capacity	5.12 kWh	16.077kWh
Rack Voltage	410~614Vdc	313~403Vdc
Rated Cycle Life	≥6000 (80% DOD)	

Hybrid Inverter System

Solar Input (Optional)	60kw	3kWp/10kWp/45kWp Allowed
AC Voltage Range	380V/220V 400V/230V 415V/240V	
Rated Output Power	30kVA(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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