

## 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: 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



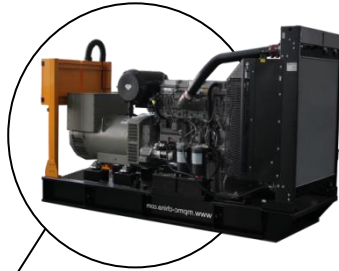
OHSAS18001  
System certified



CE certified

#### General Specification

System Rated Output Power		30kVA	
Rated Power Factor		0.8 lagging	
Rated Output Voltage		380V@50Hz/60Hz,3ph. (400V & 415V available ; 480V@60HZ 3P3W)	
Min.Battery Storage Capacity	40 kWh	100kWh	
Max.Battery Storage Capacity	60 kWh	100kWh	
Output	Terminals	Copper Busbar	
	Sockets	MAX. 4 Sockets available	
Expand Dimension(W*D*H)		3250*1150*1600mm	3900*1150*1800
Loading Dimension(W*D*H)		3250*1150*1600mm	3900*1150*1800
Net.Weight		2500kg	4500kg
Loading Capacity	20'GP	2 units	
	40'HC	6 units	
Discharge Temperature Range		-20°C~50°C	



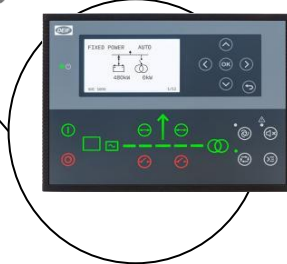
**GENERATOR**  
**MAX. POWER: 24kW**

**With LOW CONSUMPTION**



**HIGH STRENGTH**  
**METAL FRAME**

**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

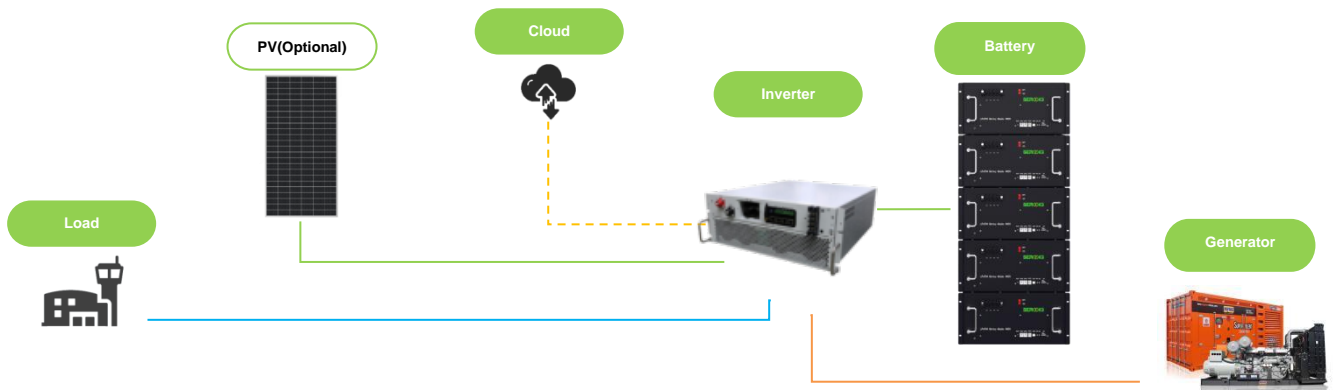
Prime Power	30kVA	
Engine to Ref.	YANMAR / PERKINS / KUBOTA	
Fuel Tank Capacity	100 L (Bunded)	200 L (Bunded)

## Energy Storage Battery

Cell Type	LFP(LiFePO4)	
Pack Model	MF51100	MF51280
Pack Capacity	5.12 kWh	14.336 kWh
Rack Voltage	410~614Vdc	358Vdc
Rated Cycle Life	≥4000 ( 80% DOD )	

## Hybrid Inverter System

Solar Input (Optional)	3kWp/10kWp Allowed	3kWp/10kWp/45kWp Allowed
AC Voltage Range	380~415Vac(480Vac@60HZ)	
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 POWERTECH CORP.

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