

## MODEL : GB-10

### 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



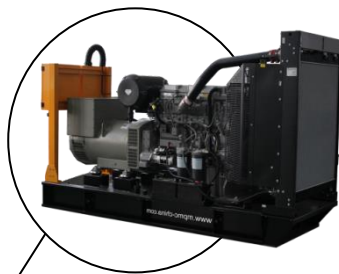
OHSAS18001  
System certified



CE certified

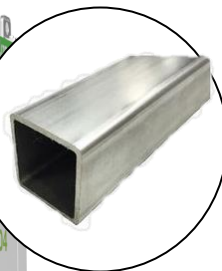
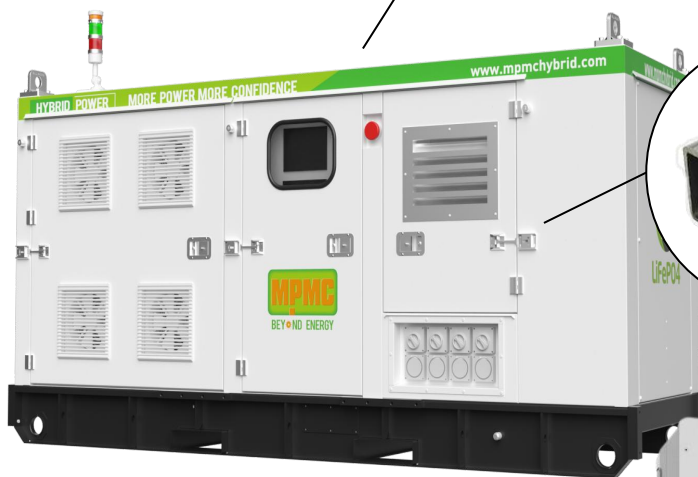
#### General Specification

|                              |           |                                                |
|------------------------------|-----------|------------------------------------------------|
| System Rated Output Power    |           | 10kVA                                          |
| Rated Power Factor           |           | 0.8 lagging                                    |
| Rated Output Voltage         |           | 380V@50Hz/60Hz,3ph.<br>(400V & 415V available) |
| Min.Battery Storage Capacity |           | 10 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                   |           | 2300kg                                         |
| 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

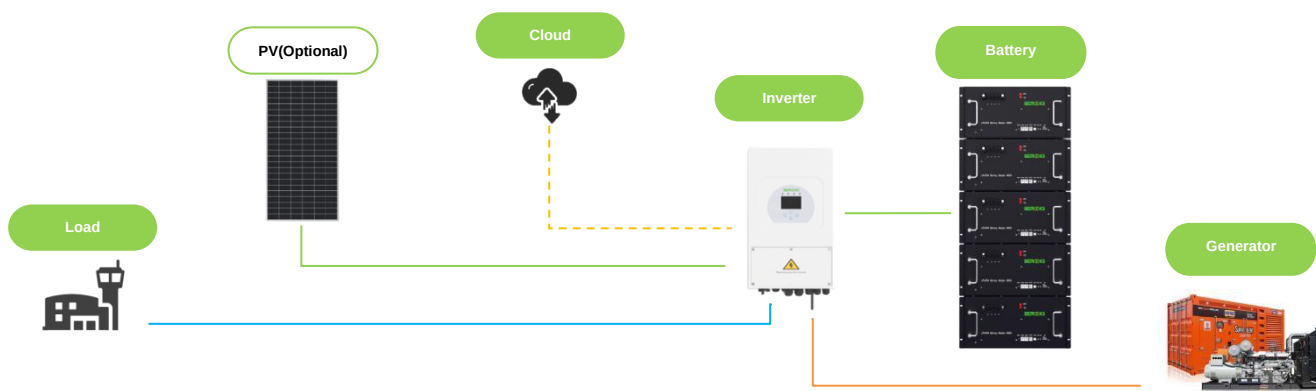
|                    |                           |
|--------------------|---------------------------|
| Prime Power        | 10kVA~20kVA               |
| Engine to Ref.     | YANMAR / PERKINS / KUBOTA |
| Fuel Tank Capacity | 100 L (Bunded)            |

## 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*2 , 13kWp Allowed       |
| AC Voltage Range      | 380~415Vac                   |
| Rated Output Power    | 10kVA(0.8leading~0.8lagging) |



| Power Priority | Highest                           | Secondary            | Back Up                       |
|----------------|-----------------------------------|----------------------|-------------------------------|
| Functions      | PV (Optional)<br>Take load/charge | Battery<br>Take load | Generator<br>Take load/charge |



MPMC USA



MPMC UAE



MPMC ZA



MPMC CN

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