

## MODEL : GSB-10

### HYBRID POWER STATION



#### Design Standards

GSB® is a new range of secure integrated hybrid power station. With diesel generator, solar power, battery storage and hybrid solar Inverter in one secure unit.

GSB® is mainly developed for residents Power, 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;



#### General Specification

|                              |           |  |
|------------------------------|-----------|--|
| System Rated Output Power    |           | 10 kVA   |
| 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   |
| Max.Solar Power              |           | 2300Wp   |
| Output                       | Terminals | Copper Busbar                                  |
|                              | Sockets   | MAX. 4 Sockets available                       |
| Expand Dimension(W*D*H)      |           | 2950*5500*3350mm                               |
| Loading Dimension(W*D*H)     |           | 2950*1150*2250mm                               |
| Net.Weight                   |           | 3000kg   |
| Loading Capacity             | 20'GP     | 4 units  |
|                              | 40'HC     | 8 units  |
| Discharge Temperature Range  |           | -20℃~50℃                                       |

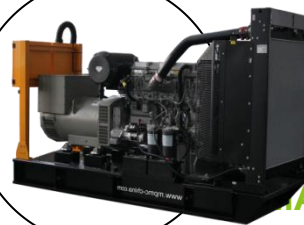
## SOLAR PANEL

MAX. POWER:

**2300<sub>W</sub>**

With HIGH EFFICIENCY

UP TO **21%~!!**



## GENERATOR

MAX. POWER: 16kW

With LOW CONSUMPTION



## 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)            |

## Solar Panel

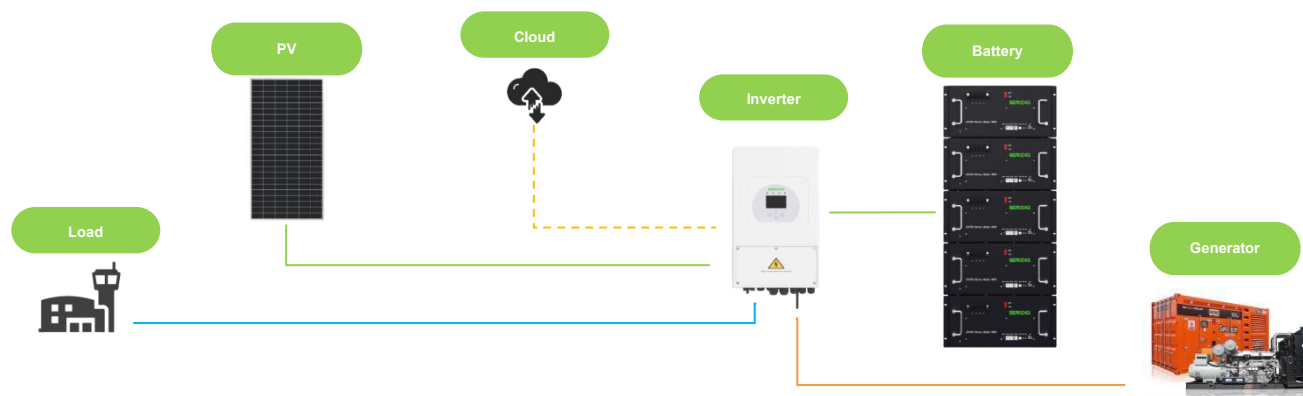
|               |            |
|---------------|------------|
| Maximum Power | 460Wp*5pcs |
| PV Cell Style | PERC       |

## 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        | 8kWp allowed for external PV array |
| AC Voltage Range   | 380~415Vac                         |
| Rated Output Power | 10kVA(0.8leading~0.8lagging)       |



| Power Priority | Highest          | Secondary | Back Up          |
|----------------|------------------|-----------|------------------|
| Functions      | Take load/charge | Take load | Take load/charge |



MPMC USA



MPMC UAE



MPMC ZA



MPMC CN

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