

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



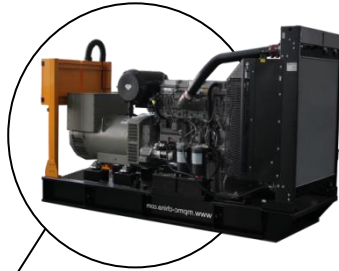
OHSAS18001
System certified



CE certified

General Specification

| | | |
|------------------------------|-----------|------------------------------------------------|
| System Rated Output Power | | 10kVA |
| Rated Power Factor | | 0.8 lagging |
| Rated Output Voltage | | 380V@50Hz/60Hz,3ph. (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

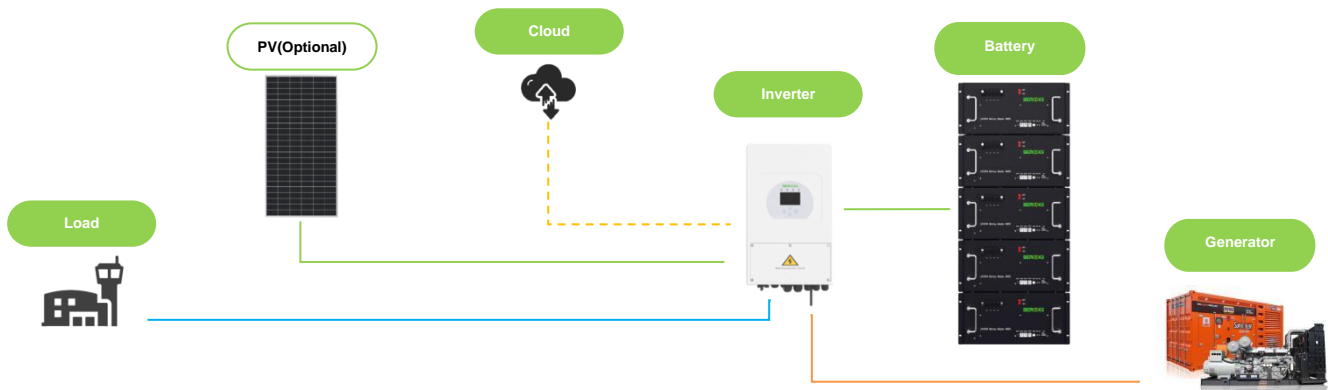
| | |
|--------------------|---------------------------|
| Prime Power | 10kVA~20kVA |
| Engine to Ref. | YANMAR / PERKINS / KUBOTA |
| Fuel Tank Capacity | 100 L (Bunded) |

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) Take load/charge | Battery Take load | Generator Take load/charge |



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