

MODEL : GB-500 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 | | 500kVA |
| Rated Power Factor | | 0.8 lagging |
| Rated Output Voltage | | 380V @50Hz/60Hz, 3ph. (400V ~ 480V available) |
| Min. Battery Storage Capacity | | 1000 kWh |
| Max. Battery Storage Capacity | | 1000 kWh |
| Output | Terminals | Copper Busbar |
| | Sockets | MAX. 4 Sockets available |
| Expand Dimension(W*D*H) | | 40'HC |
| Loading Dimension(W*D*H) | | 40'HC |
| Net. Weight | | 23000kg |
| Loading Capacity | 20'GP | N/A |
| | 40'HC | 1 units |
| Discharge Temperature Range | | -20°C ~ 50°C |



GENERATOR
MAX. POWER: 400kW
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

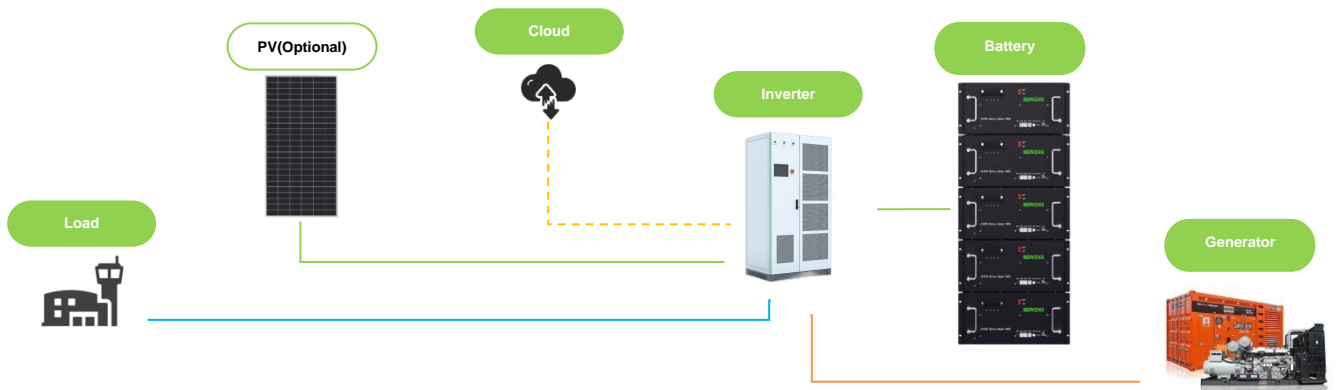
| | |
|--------------------|-------------------------|
| Prime Power | 500kVA |
| Engine to Ref. | CUMMINS / PERKINS / FPT |
| Fuel Tank Capacity | 1000 L (Bunded) |

Energy Storage Battery

| | |
|------------------|-------------------|
| Cell Type | LFP(LiFePO4) |
| Pack Model | MF51280 |
| Pack Capacity | 14.336 kWh |
| Rack Voltage | 716Vdc |
| Rated Cycle Life | ≥4000 (80% DOD) |

Hybrid Inverter System

| | |
|------------------------|-------------------------------|
| Solar Input (Optional) | 400kWp Allowed |
| AC Voltage Range | 380~480Vac |
| Rated Output Power | 500kVA(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.
 www.mpmc-china.com | www.mpmc-group.com
 sales@mpmc-china.com |

Photographs are for illustrative purposes only and may not reflect final specification.

Follow us



<https://www.facebook.com/mpmcgroup>



<https://www.linkedin.com/company/mpmcpowertech/>



<https://www.youtube.com/user/MPMCGenerator>

All information in this document is substantially correct at time of printing and may be altered subsequently. Final weight and dimensions will depend on completed specification.