

## MODEL : GB-50-110

### 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;
- Accept customer customization, suitable for various scenarios;

#### Warranty

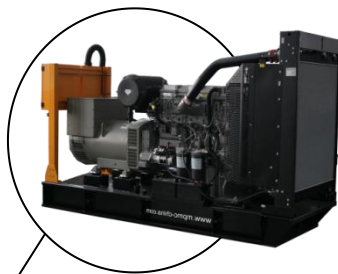
Battery Performance: 6000 cycles(80% DOD) or 2 years after manufacture;

• Generator: 18 months after manufacture or 1500 hours running time;



#### General Specification

System Rated Output Power		50kW/55kVA
Rated Output Voltage		400/230Vac, 380/220Vac, 415/240Vac
Min.Battery Storage Capacity		112.53 kWh
Max.Battery Storage Capacity		112.53 kWh
Output Terminals		Copper terminals & CEE 50A/5P Socket
Expand Dimension(W*D*H)		3900*1150*1800mm
Loading Dimension(W*D*H)		3900*1150*1800mm
Net.Weight		4500kg
Loading Capacity	20'GP	2 units
	40'HC	6 units
Discharge Temperature Range		-20℃~50℃



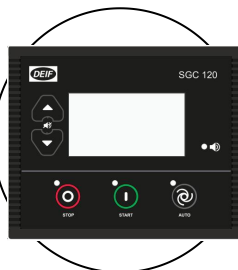
**GENERATOR**  
**MAX. POWER: 50kW**

**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

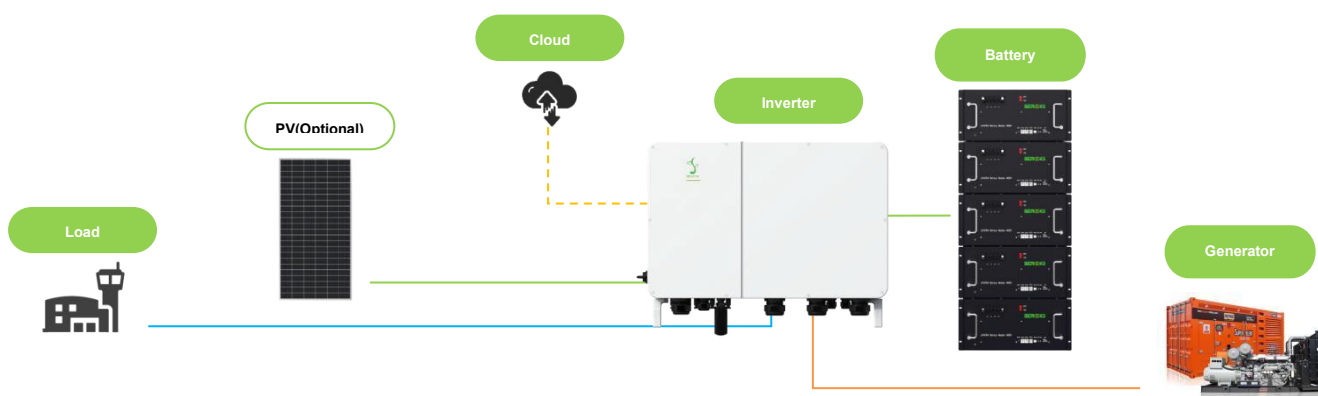
Prime Power	55kVA
Engine to Ref.	CUMMINS
Fuel Tank Capacity	200 L

## Energy Storage Battery

Cell Type	LFP(LiFePO4)
Pack Model	MF51314
Pack Capacity	16.077 kWh
Rated Cycle Life	≥6000 (80% DOD)

## Hybrid Inverter System

Solar Input (Optional)	3kWp/10kWp/45kWp/75kWp
AC Voltage Range	400/230Vac, 380/220Vac, 415/240Vac
Rated Output Power	55kVA(0.8leading~0.8lagging)



Power Priority	Highest	Secondary	Back Up
	PV (Optional)	Battery	Generator
Functions	Take load/charge	Take load	Take load/charge



MPMC USA



MPMC UK



MPMC ZA



MPMC UAE



MPMC PA



MPMC CN

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