MPMC BEYOND ENERGY

MODEL : GSB-50

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: Throughout 1.6MWh/kWh or 3 years after manufacture;
Generator: 24 months after manufacture or 1500 hours running time;

LABORATORY ACCREDITATION CERTIFICATE

Certificate of the World Manufacturer Identifier Code

General Specification

System Rated Output Power		50 kVA
Rated Power Factor		0.8 lagging
Rated Output Voltage		380V@50Hz/60Hz,3ph.4W (400V & 415V available)
Min.Battery Storage Capacity		112kWh
Max.Battery Storage Capacity		112kWh
Max.Solar Power		2375Wp
Output	Terminals	Copper Bubar
	Sockets	MAX. 4 Sockets available
Expand Dimension(W*D*H)		3980*5500*3350mm
Loading Dimension(W*D*H)		3980*1680*2250mm
Net.Weight		4060kg
Loading Capacity	20'GP	1 units
	40'HC	3 units
Discharge Temperature Range		-20℃~50℃

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SOLAR PANEL

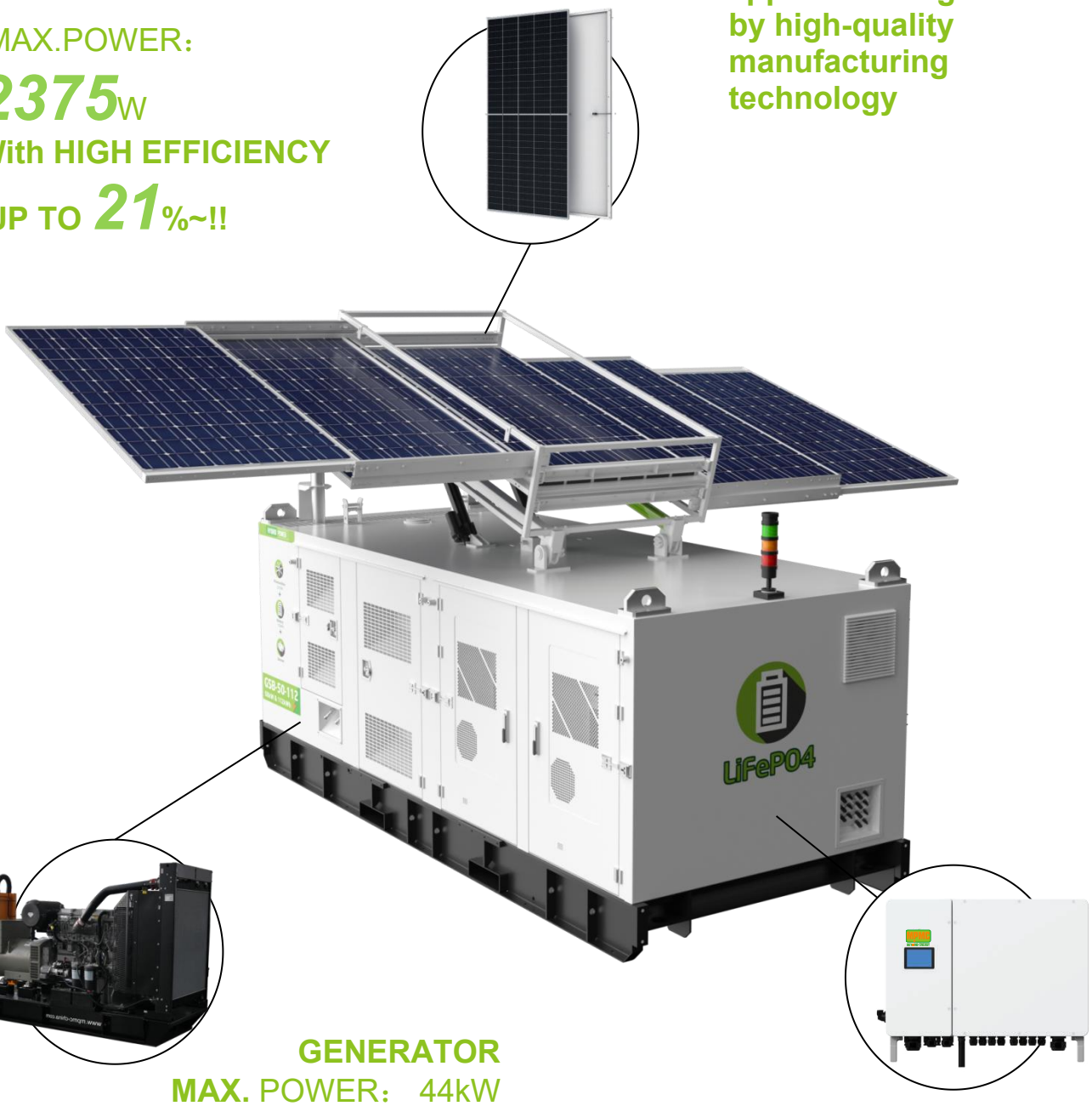
MAX.POWER:

2375W

With HIGH EFFICIENCY

UP TO 21%~!!

Fits the practical application & guaranteed by high-quality manufacturing technology



GENERATOR

MAX. POWER: 44kW

With LOW CONSUMPTION

INTELLIGENT INVERTER

ONE PIECE FOR

SOLAR & **BATTERY**

& **GRID**

& **GENERATOR**

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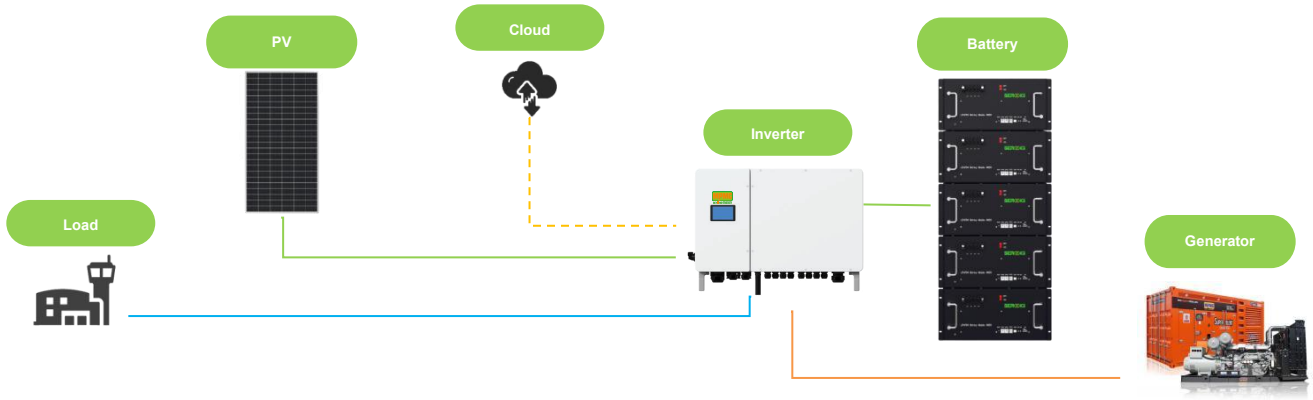
Generator Set	
Prime Power	50kVA
Engine to Ref.	PERKINS(*EU S5 only) / CUMMINS
Fuel Tank Capacity	350 L (Bunded)
Solar Panel	
Maximum Power	475Wp*5pcs
PV Cell Style	HJT
Energy Storage Battery	
Cell Type	LFP(LiFePO4)
Pack Model	MF51314
Pack Capacity	16.077 kWh
Rack Voltage	358Vdc
Rated Cycle Life	≥4000（80% DOD）
Hybrid Inverter System	
Solar Input(MPPT)	Max. 75kWp DC(MC4 connectors)
AC Input / Output	3P+N+PE / 3P+N+PE
Peak Output Power	100kVA(0.8leading~0.8lagging)



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

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