

MODEL : WSB-5S

HYBRID POWER STATION



Design Standards

WSB® is a new range of secure integrated hybrid power station. With solar power, Wind power, Battery storage and Hybrid solar Inverter in one secure unit.

WSB® 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;
- Green, renewable and clean energy, supported and subsidized by the state;

Warranty

Battery Performance: 2000 cycles(80% DOD) or 2 years after manufacture;



General Specification

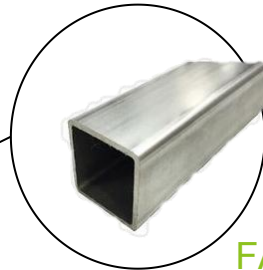
Model	WSB-5S
System Rated Output Power	5kVA
Rated Output Voltage	220V@50Hz/60Hz, 1ph. (According to customer requirements)
Min.Battery Storage Capacity	5 kWh
Max.Battery Storage Capacity	20 kWh
Max.Wind Power	400W
Max.Solar Power	2750W
Output Terminals	Copper terminals & CEE 32A/3P Socket
Expand Dimension(W*D*H)	3900*5400*7000mm
Loading Dimension(W*D*H)	1750*1150*2550mm
Net.Weight	1220kg
Loading Capacity of 40'HC	12 units
Discharge Temperature Range	-20°C~50°C



SOLAR PANEL

MAX.POWER:
2750_W

With **HIGH EFFICIENCY**
UP TO **21%~!!**



**HIGH STRENGTH
METAL FRAME**

COFFIDENCE IN
FACING **WIND & RAIN**



INTELLIGENT INVERTER

ONE PIECE FOR
**SOLAR & BATTERY
& GRID**

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



Solar Panel

Maximum Power	550W
Power Tolerance	0~+5W
Max-Power Voltage (Vm)	41.96VDC
Max-Power Current (Im)	13.11A
Qty.	5pcs

Energy storage battery

Cell Type	LFP(LiFePO4)
Pack Model	MF51100D
Pack Capacity	5 kWh
Pack Rated Voltage	51.2 VDC
Discharge Depth	90%
Charger/Discharge Current	97.7 A(1.0C)
Battery Rack Voltage	43.2V~59V
Rated Cycle Life	≥2000 (80% DOD)

Wind Turbine

Rated power	400W
Rated Voltage	48VDC
Start-up wind speed	2m/s
Rated wind speed	10m/s
Survival wind speed	45m/s

Hybrid Inverter System

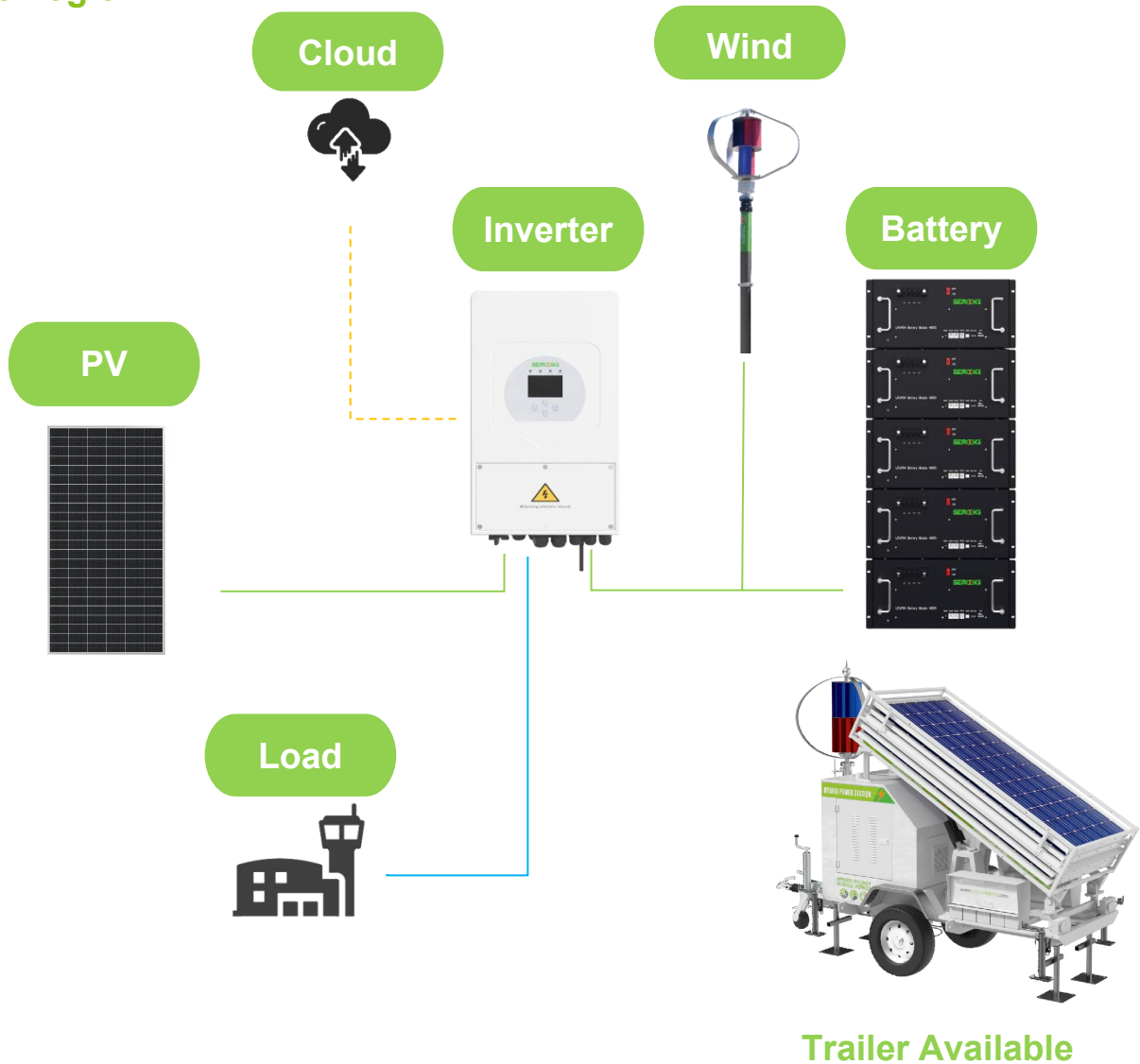
Solar Controller	MPPT*2
AC Voltage Range	220~230Vac
Max.PV Current	13A
Max.Charge/Discharge Current	120A
Max.Conversion Efficiency	97.6%
Rated Output Power	5kVA(0.8leading~0.8lagging)

Options

Hybrid Power Station

- Larger Battery Pack
- Split Phase Inverter
- Galvanized / Aluminium Canopy
- Tools with the machine
- Trailer

Basic Logic



Power Priority	Highest	Secondary
Functions	PV Take load/charge	Battery Take load



MPMC POWERTECH CORP.
sales@mpmc-china.com | www.mpmc-china.com

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