

MODEL : WSB-10

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: 4000 cycles(80% DOD) or 2 years after manufacture;



General Specification

System Rated Output Power	10 kW/kVA	
Rated Output Voltage	380V@50Hz/60Hz,3ph.(According to customer requirements)	
Min.Battery Storage Capacity	10 kWh	
Max.Battery Storage Capacity	30 kWh	
Max.Solar Power	2300W	
Max.Wind Power	400W	
Output Terminals	Copper terminals & CEE 16A/5P Socket	
Expand Dimension(W*D*H)	3900*5400*7000mm	
Loading Dimension(W*D*H)	1750*1150*2250mm	
Net.Weight	1400kg	
Loading Capacity	20'GP	6 units
	40'HC	12 units
Discharge Temperature Range	-20°C~50°C	



WIND Turbine

MAX.POWER:
400_W

SOLAR PANEL

MAX.POWER:
2300_W
With HIGH EFFICIENCY
UP TO **21%~!!**

HIGH STRENGTH METAL FRAME

COFFIDENCE IN
FACING **WIND & RAIN**

INTELLIGENT INVERTER

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

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



Solar Panel

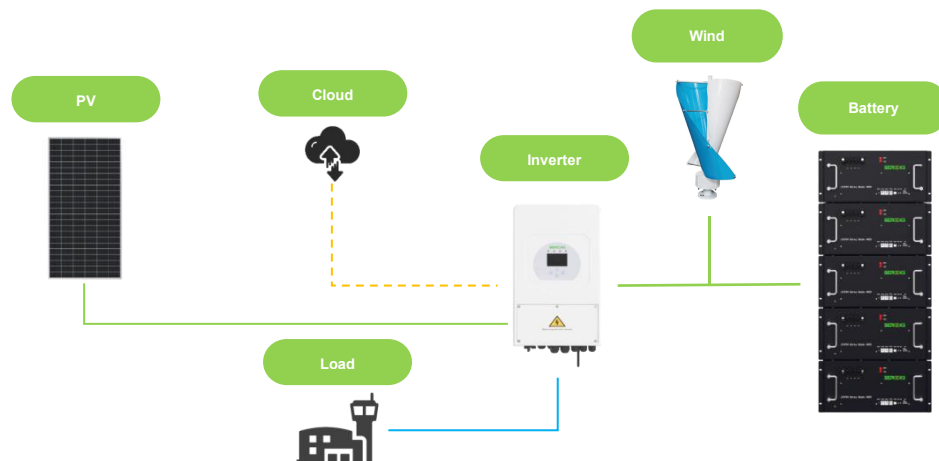
Maximum Power	460W
Qty.	5pcs

Energy Storage Battery

Cell Type	LFP(LiFePO4)
Pack Model	MF51100
Pack Capacity	5.12 kWh
Charger/Discharge Current	97.7 A(1.0C)
Battery Rack Voltage	43.2V~59V
Rated Cycle Life	≥4000 (80% DOD)

Hybrid Inverter System

Solar Controller	MPPT*2
AC Voltage Range	380~400Vac
Max.PV Current	39A
Max.Conversion Efficiency	97.6%
Rated Output Power	10kVA(0.8leading~0.8lagging)



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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