MPMC BEYOND ENERGY

MODEL : AIO-45-25

HYBIRD GENERATOR SET

Design Standards

AIO® is a new range of secure integrated hybrid power station. With diesel genset, solar power, battery storage,wind turbine and hybrid solar Inverter in one secure unit.

AIO® 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;
- Accept customer customization, suitable for various scenarios;

ISO9001:2015 Qutlity system certified

ISO14001 System certified

OHSAS18001 System certified

CE certified

General Specification

Model	AIO-45-25
Rated Output Power	30 kW (Generator) & 15 kW (Battery) & 0.8kW(Wind turbine)
Rated Output Voltage	220V@50Hz,1ph.
Fuel Tank Capacity	200 liters
Battery Storage Capacity	25 kWh
Max.Battery Storage Capacity	25 kWh
Expand Dimension(W*H*D)	4900*6285*7800mm
Loading Dimension(W*H*D)	2975*2280*2400mm
Weight	3350kg
Loading Capacity of 40'HC	4 units
Operating Temperature Range	-15~50℃

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SOLAR PANEL

MAX.POWER：

4150W

With HIGH EFFICIENCY

UP TO *22*%~!!

DIESEL GENERATOR

RATED POWER： 32kW

With LOW CONSUMPTION

DOWN TO *9* L/H~!!

INTELLIGENT INVERTER

ONE PIECE FOR

SOLAR & **BATTERY**

& **DIESEL**

GENERATOR

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

MPMC BEYOND ENERGY

Diesel Generator Set	
Prime Power	32 kW
Fuel Consumption	9 L/h@100% load
Time for Charger	1 hours
Full Tank Output Power	688 kWh (Max.)
Fuel Type	Diesel/Gasoline/Gas
Base Functions	Automatic Start-up / Alarm / Automatic Stop / Emergency Stop / Load Management
Solar Panel	
Maximum Power	415W
Power Tolerance	0~+5W
Max-Power Voltage (Vm)	38.5VDC
Max-Power Current (Im)	8.45A
Qty.	10pcs
Energy storage battery	
Type	LFP(LiFePO4)
Rated Capacity	5 kWh
Rated Voltage	51.2 VDC
Discharge Depth	90%
Charger/Discharger Current	97.7 A(1.0C)
System Capacity	25 kWh
System MAX. Capacity	25 kWh
Cooling System	
Exhaust Air Volume	492CFM
Rated Power	48W
Rated Voltage	48VDC
Max. Noise Level	68dB(A)
Qty	2pcs
Integrated Solar Power Inverter System	
Max. Solar Charger Current	144 A
AC Input Voltage Range	170~280Vac
Max. AC Charger Current	88 A
Max.Conversion Efficiency	91%
Rated Output Power	15kW

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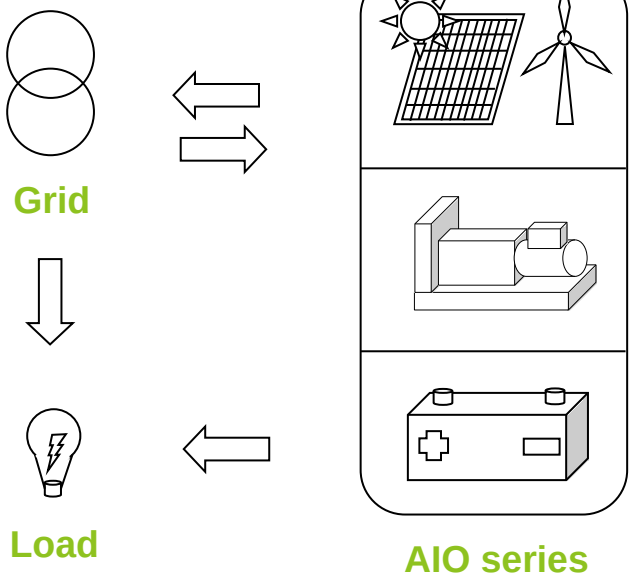
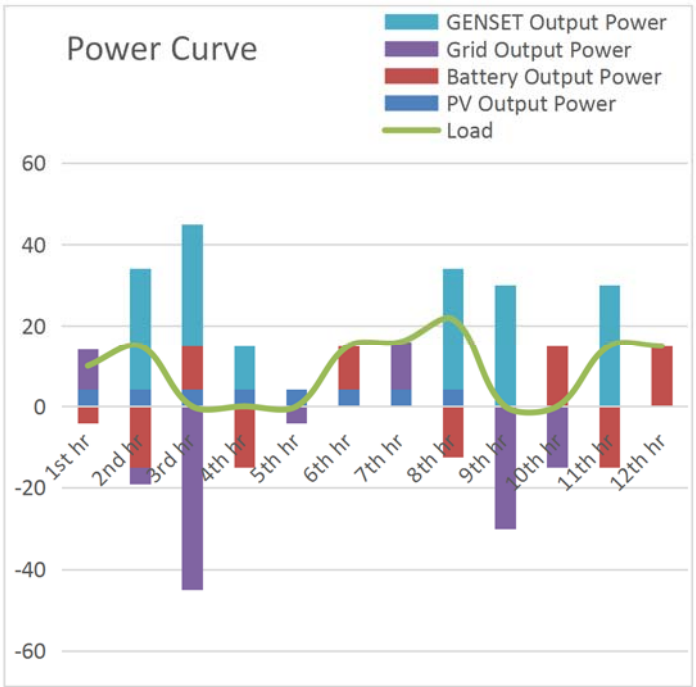
Wind Turbine	
Rated power	400W
Rated Voltage	48VDC
Start-up wind speed	2m/s
Rated wind speed	10m/s
Survival wind speed	45m/s
Wind wheel diameter	1.1m
Blades material	Aluminum alloy
Generator type	PMG
Controller system	Electromagnetic
Speed regulation	The wind Angle automatically
Qty	2pcs



On-Grid Module



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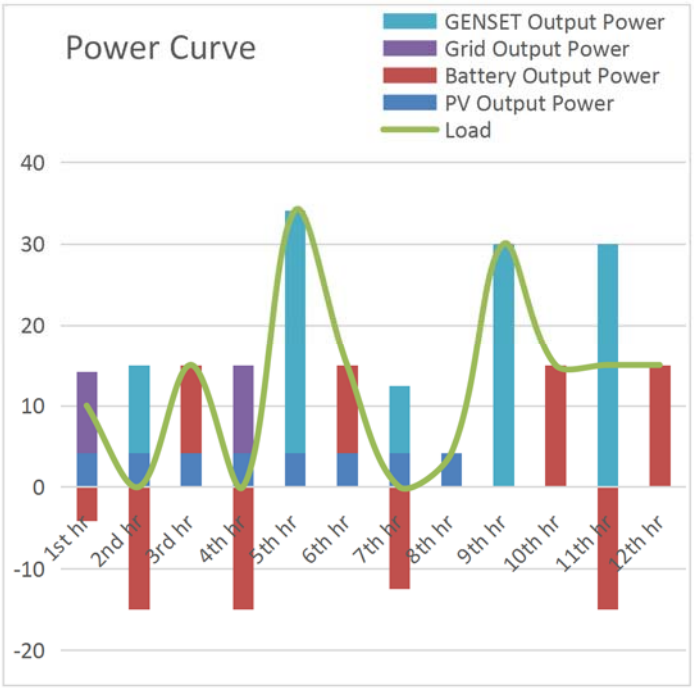
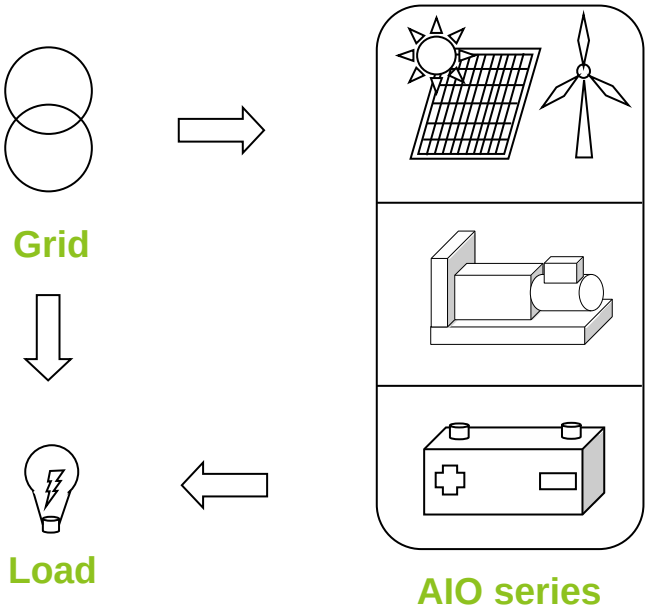
Off-Grid Module





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

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