

MPMC GROUP OF COMPANIES



Generator Sets



Lighting Towers



Hybrid Energy Solutions



BESS



Reefer Container Gensets

WWW.MPMC-GROUP.COM



MPMC USA



MPMC UK



MPMC UAE



MPMC ZA



MPMC CN

MPMC POWERTECH CORP.

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POWER



HYBRID ENERGY SOLUTIONS

Residential | Commercial | Industrial

World-Class Mobile Hybrid Energy Solutions Provider



In order to provide better mobile hybrid energy solutions, MPMC POWERTECH CORP. designs, manufactures and markets a wide range of state-of-the-art LiFePO4 battery energy storage solutions by optimizing electrochemistry power and hybrid energy system integration. Our products help to realize self-sufficient energy supply in residential, commercial, industrial energy storage, etc.

MPMC POWERTECH CORP. (Security Code 832266) is an international high-tech enterprise established in the Year 2008. As a world-class mobile hybrid energy solution provider, MPMC specializes in providing intelligent generator sets, mobile lighting towers, distributed All-In-One hybrid micro-power stations and other smart cloud energy management solutions to worldwide.

Taking full advantages of its independent R&D, productive intellectual property, full-process manufacturing and global marketing & services,

MPMC has established holding subsidiaries and offices in the USA, South Africa, UK, UAE and China. Up to now, with products sold to more than 120 countries & regions, distributors of MPMC have covered a wide range of countries & regions in the Americas, Europe, Oceania, Africa, Middle East and Southeast Asia.

MPMC has also co-founded a joint laboratory of distributed smart hybrid energy technology with TONGJI University, one of the most prestigious universities in China. By utilizing the self-developed APP named "More Power Cloud", the laboratory is striving to conduct various technical researches on global hybrid intelligent life-cycle management.

To become a leader in mobile hybrid power solution, with more reliable, more intelligent and more attentive services, MPMC makes every endeavour to provide the most timely, customized and comprehensive solutions.

With more reliable, more intelligent and more considerate service, MPMC provides "More Power, More Confidence" to global customers.



120 Countries
Products are exported to 120 countries



70+ Types
4 categories of 70+ types of products



60+ Distributors
Over 60 global distributors



50 Specialists
50 experts focused on different applications



77 Patents
3 invention patents and 74 utility model patents

MPMC HYBRID®

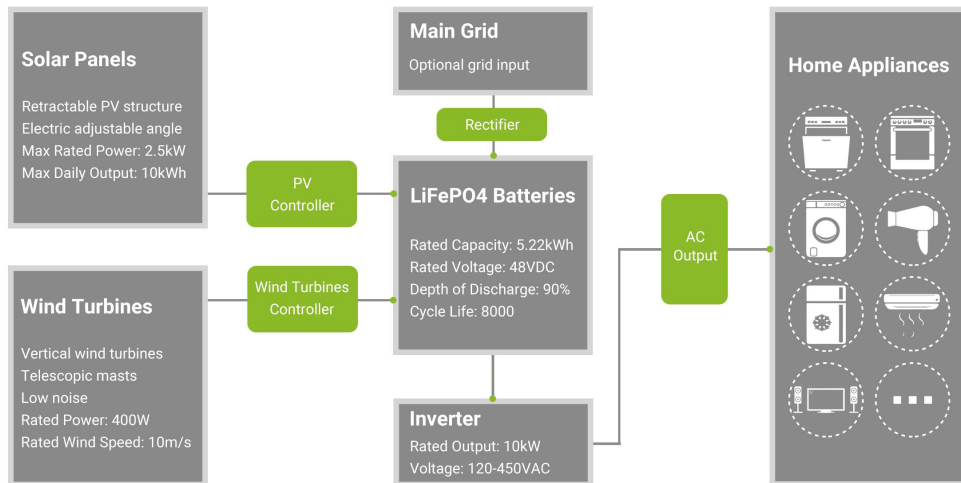
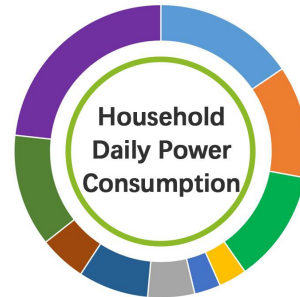
Hybrid Energy Solutions For Residential Independent Power

By optimizing the integration of solar power, wind power, and energy storage systems, MPMC Hybrid Energy Solutions WSB / SB Series has lower costs than conventional solar & batteries storage systems on the market. MPMC WSB / SB Series have the advantages of free installation, inattentive operation & maintenance, and greatly shortening the investment return period.

The system ensures power supply at night and in remote areas without main grid, saving at least 3,600 kWh of electricity every year. By expanding the capacity, other than saving on electric bills, excess electricity can also be sold into the grid.

Based on a typical use of household electrical appliances and the shift to more energy - saving appliances, taking account of actual service time of each electrical appliance, the estimated daily household power consumption is 9.58kWh and peak power is about 5940W. And system capacity can be expanded according to requirements.

- LED Lights 1.5kWh
- Television 1.2kWh
- PC/Tablet 1.2kWh
- Refrigerator 0.3kWh
- Range Hoods 0.28kWh
- Microwave 0.5kWh
- Hair Dryer 0.75kWh
- Washing Machine 0.5kWh
- Gas Boiler 1.2kWh
- Oven 2.25kWh



2021 Best Rechargeable Solar Battery Power Integration Project



Specification

* Customization available.

Model	WSB-5	WSB-7.5	WSB-10
Rated Power	5kVA	7.5kVA	10kVA
Rated Output Voltage	230Vac/1P	230Vac/1P	230Vac/1P
System Storage Capacity	10kWh	15kWh	20kWh
Max. Battery Capacity	20kWh	20kWh	20kWh
Max. Solar Power	2500W	2500W	2500W
Daily Power Generation	10kWh	10kWh	10kWh
Max Wind Power	400W	400W	400W
Rated Wind Speed	10m/s	10m/s	10m/s
Battery Type	LiFePO4	LiFePO4	LiFePO4
Pack Rated Capacity	5.22kWh	5.22kWh	5.22kWh
Cycle Time	8000	8000	8000
Discharge Depth	90%	90%	90%
Expand Dimension	5420×3820×6000mm	5420×3820×6000mm	5420×3820×6000mm
Loading Capacity of 40'HC	16 units	16 units	16 units
Operating Temperature	-15°C~50°C	-15°C~50°C	-15°C~50°C

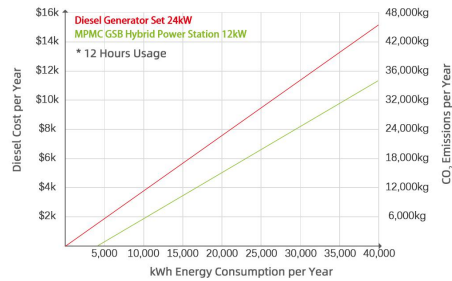
MPMC HYBRID®

Hybrid Energy Solutions For Independent Power

MPMC Hybrid Power Station GSB® Series is a reliable resilient / prime energy solution mainly developed for independent power. To live green while ensuring stable off-grid power source, GSB® Series integrates diesel generator set (gas generator set for option), solar power, battery storage and hybrid solar inverter in one secure unit. It helps customers realizing solar self-consumption, rate arbitrage and more importantly, power independence.

For household daily power consumption ≤15kWh per day, by adopting MPMC GSB® Series Hybrid Power Station as a 12-hours-usage electricity generation source, it costs only **\$119.29 USD** on fuel per year, while it costs \$2312 USD on fuel per year for a 24kW diesel generator sets.

<p>Annual Fuel Cost Saving Up to \$ 4,319 USD / Year</p>	<p>Annual Emission Saving Up to 4,000 KG of CO₂ / Year</p>
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Key Features

1. Integrated installation, convenient storage and transportation.
2. High return on investment and quick return.
3. Simple operation and easy maintenance.
4. Power and capacity can be expanded, meet different user needs.
5. Excellent cooling system for heat dissipation.
6. Beautiful design, retractable structure, excellent anti-attenuation performance and high efficiency of MPMC Solar Powered System.
7. Visualized smart control system to monitor operation status.
8. Reliable Lithium Iron Phosphate Battery Storage to ensure compact structure with high power density and long lifespan.
9. Accept customer customization, suitable for various scenarios.



Specification

* Customization available.

Model	GSB-20-10	GSB-30-15	GSB-35-20	GSB-40-20	GSB-45-25
System Rated Power	20kVA	30kVA	35kVA	40kVA	45kVA
Diesel Genset Rated Power	10kVA	16kVA	21kVA	24kVA	32kVA
Inverter Rated Power	10kVA	15kVA	15kVA	15kVA	15kVA
Max. Solar Power	2500W	2500W	2500W	2500W	4150W
Fuel Tank	100L	100L	100L	100L	200L
Rated Voltage	220~240Vac/1P	220~240Vac/1P	220~240Vac/1P	220~240Vac/1P	220~240Vac/1P
System Energy Capacity	10kWh	15kWh	20kWh	20kWh	25kWh
Max Battery Capacity	25kWh	25kWh	25kWh	25kWh	25kWh
Battery Type	LiFePO4	LiFePO4	LiFePO4	LiFePO4	LiFePO4
Discharge Depth	90%	90%	90%	90%	90%
Cycle Time	8000	8000	8000	8000	8000
Loading Dimension	2450×1150×2550mm	2450×1150×2550mm	2450×1150×2550mm	2450×1150×2550mm	2950×2280×2250mm
Expand Dimension	2450×5420×3650mm	2450×5420×3650mm	2450×5420×3650mm	2450×5420×3650mm	4900×6285×3150mm
Loading Capacity of 20'HC	4 units	4 units	4 units	4 units	2 units
Operating Temperature	-15°C~50°C	-15°C~50°C	-15°C~50°C	-15°C~50°C	-15°C~50°C

MPMC HYBRID®

Hybrid Energy Solutions

ALL-IN-ONE Hybrid Genset

MPMC Hybrid Power Station AIO® Series is an updated generation of GSB® Series. Compared with the hybrid generator set of GSB® Series, this ALL-IN-ONE hybrid genset consists of traditional diesel/gas generator set, solar panels, battery storage system as well as wind turbines. It helps us realizing solar self-consumption, rate arbitrage and more importantly, power independence with lower emissions and noise.

For daily power consumption ≤20kWh per day, by adopting MPMC AIO® Series Hybrid Power Station as a 12-hours-usage electricity generation source, it might reduce the cost on fuel up to \$4000 USD per year, compared with a 24kW diesel generator sets.

*The cost of the fuel is for reference only.



Key Features

1. Integrated installation, convenient storage and transportation.
2. High return on investment and quick return.
3. Simple operation and easy maintenance.
4. Power and capacity can be expanded, meet different user needs.
5. Excellent cooling system for heat dissipation.
6. Beautiful design, retractable structure, excellent anti-attenuation performance and high efficiency of MPMC solar powered system.
7. Visualized smart control system to monitor operation status.
8. Reliable lithium iron phosphate battery storage to ensure compact structure with high power density and long lifespan.
9. Accept customer customization, suitable for various scenarios.



Specification

* Customization available.

Model	AIO-20-10	AIO-30-15	AIO-35-20	AIO-40-20	AIO-45-25
System Rated Power	20kVA	30kVA	35kVA	40kVA	45kVA
Diesel Genset Rated Power	10kVA	16kVA	21kVA	24kVA	32kVA
Inverter Rated Power	10kVA	15kVA	15kVA	15kVA	15kVA
Max. Solar Power	2500W	2500W	2500W	2500W	4150W
Max. Wind Power	800W	800W	800W	800W	800W
Rated Voltage	220~240Vac/1P	220~240Vac/1P	220~240Vac/1P	220~240Vac/1P	220V
System Energy Capacity	10kWh	15kWh	20kWh	20kWh	25kWh
Max Battery Capacity	25kWh	25kWh	25kWh	25kWh	25kWh
Battery Type	LiFePO4	LiFePO4	LiFePO4	LiFePO4	LiFePO4
Discharge Depth	90%	90%	90%	90%	90%
Cycle Time	8000	8000	8000	8000	8000
Loading Dimension	2950×1150×2550mm	2950×1150×2550mm	2950×1150×2550mm	2950×1150×2550mm	2975×2280×2400mm
Expand Dimension	4350×5420×6800mm	4350×5420×6800mm	4350×5420×6800mm	4350×5420×6800mm	4900×6285×7800mm
Loading Capacity of 40'HC	8 units	8 units	8 units	8 units	4 units
Operating Temperature	-15°C~50°C	-15°C~50°C	-15°C~50°C	-15°C~50°C	-15°C~50°C

This integrated hybrid energy system is mainly developed for independent off-grid power solutions such as telecom base station, island power supply, etc.

Taking full advantage of MPMC surface process technology and experience of manufacturing super silent canopied generator set, the noise of AIO® Series genset is under 10 dBA while running in hybrid mode and just 65 dBA@7m when the standby diesel generator is running.

Besides, as an integrated unit, it adopts a compact design for shipping so that at least four units can be delivered by a standard 40'HC container at the same time.



MPMC HYBRID®

Hybrid Energy Solutions

For Silent & Green Power Solutions

MPMC hybrid generator set consists of a traditional generator set and a battery energy storage system. It integrates up-market battery system, battery management system and operation monitoring system, with excellent lithium-ion battery consistency ensures 8000 times of lifecycles for 8 consecutive years, meeting the most demanding applications.



Why we need battery storage system that costs much more than the traditional genset providing the same power?

First of all, the noise shall be much lower than when the diesel genset is running so that it is qualified as prime/emergency power supply in the community at night.

The prime power supply of the MPMC hybrid generator set is the battery storage system while the diesel/gas genset plays a role as the standby power. Since the cost of fuel is much higher than grid electricity, it is more suitable for rental business when using the battery storage system as prime power.



Specification

* Customization available.

Model	GB-20-10	GB-30-15	GB-35-20	GB-40-20	GB-45-25
System Rated Power	20kVA	30kVA	35kVA	40kVA	45kVA
Diesel Genset Rated Power	10kVA	16kVA	21kVA	24kVA	32kVA
Inverter Rated Power	10kVA	15kVA	15kVA	15kVA	15kVA
Rated Voltage	220~240Vac/1P	220~240Vac/1P	220~240Vac/1P	220~240Vac/1P	220~240Vac/1P
System Energy Capacity	10kWh	15kWh	20kWh	20kWh	25kWh
Battery Type	LiFePO4	LiFePO4	LiFePO4	LiFePO4	LiFePO4
Discharge Depth	90%	90%	90%	90%	90%
Cycle Time	8000	8000	8000	8000	8000
Cooling System	Fan	Fan	Fan	Fan	Fan
Loading Dimension	2450x1150x1900mm	2450x1150x1900mm	2450x1150x1900mm	2450x1150x1900mm	2450x1150x1900mm
Loading Capacity of 20'GP	4 units	4 units	4 units	4 units	4 units
Operating Temperature	-15°C~50°C	-15°C~50°C	-15°C~50°C	-15°C~50°C	-15°C~50°C

MPMC HYBRID®

Battery Energy Storage System

For Silent & Green Power Solutions

According to various power demands, this micro battery power station is more compact, efficient and flexible. The system capacity of this micro battery energy storage system is up to 150kWh. It also integrates up-market battery system, battery management system and operation monitoring system in this small unit, with excellent lithium-ion battery consistency ensures 8000 times of lifecycles for 8 consecutive years, meeting the most demanding applications.



Features

1. Quick installation;
2. Convenient storage and transportation;
3. Simple operation and easy maintenance;
4. Power and capacity can be expanded to meet different users' needs;
5. No-emission and low-noise;
6. Safe and reliable.



Specification

* Customization available.

Model	HBD-30-60	HBD-45-45	HBD-50-50	HBD-50-100	HBD-100-100
Rated Power	30kW	45kW	50kW	50kW	100kW
Rated Voltage	400Vac	400Vac	400Vac	400Vac	400Vac
Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Phase	3	3	3	3	3
System Energy Capacity	62.7kWh	46.08kWh	53.8kWh	98.6kWh	98.6kWh
Battery Type	LiFePO4	LiFePO4	LiFePO4	LiFePO4	LiFePO4
Discharge Depth	90%	90%	90%	90%	90%
Pack Qty.	7	9	6	11	11
Cooling System	Fan	Fan	Fan	Air Conditioner	Air Conditioner
Cycle Life	8000	8000	8000	8000	8000
Altitude	≤1000	≤1000	≤1000	≤1000	≤1000
Operating Temperature	-20°C~50°C	-20°C~50°C	-20°C~50°C	-20°C~50°C	-20°C~50°C

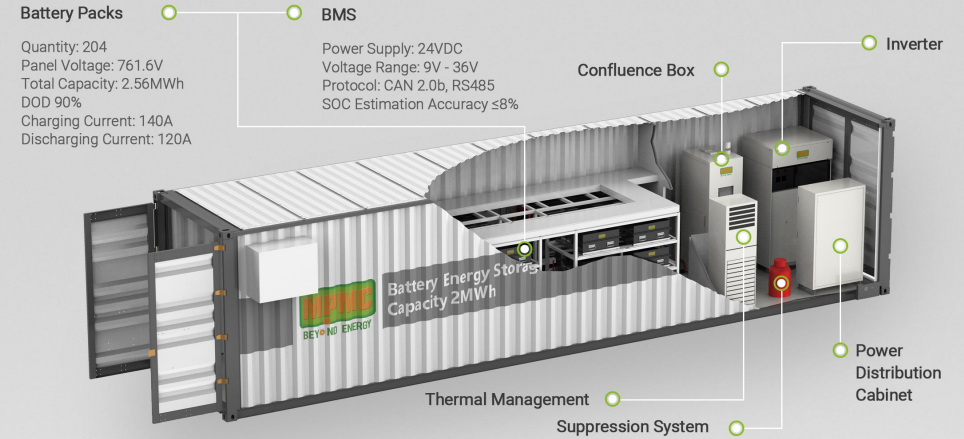
MPMC HYBRID®

Energy Storage Solutions For Industrial Applications

MPMC Containerized Battery Energy Storage System (BESS) allows fast installation and easy operation for its modular design.

Based on standard 40'HC Container, it copes with configuration from 2500 kWh energy storage power station (single container) to major power plant (combining multiple containers). It integrates up-market Battery System, Battery Management System and Operation Monitoring System, with excellent lithium-ion battery consistency ensures 8000 times of lifecycles for 8 consecutive years, meeting the most demanding applications.

- Solar/Wind/Hybrid power storage
- Peak-shaving
- On/Off-grid back-up power etc.



Key Features

1. Cycle life: 8000 times under charge/discharge @ 0.3C once per day @ DOD 80% for 8 consecutive years, total capacity of the battery system ≥ 80% of default initial capacity.
2. Excellent lithium-ion battery consistency.
3. Standard protocol to realize reliable external communication and scheduling.
4. Stable performance, high safety with gaseous fire suppression system.
5. Built-in air conditioner to manage in-box temperature. Exceptional heat dissipation.

Specification

* Customization available.

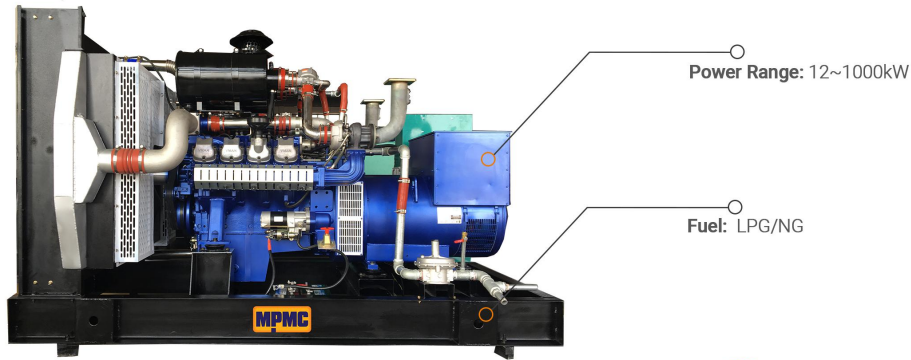
Model	HBD-100-200	HBD-150-150	HBD-150-300	HBD-250-500	HBD-500-1000	HBD-1000-2500
Rated Power	100kW	150kW	150kW	250kW	500kW	1000kW
Rated Voltage	400Vac	400Vac	400Vac	400Vac	400Vac	400Vac
Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Phase	3	3	3	3	3	3
System Energy Capacity	200.7kWh	150.5kWh	301.1kWh	526.8kWh	1004kWh	2559kWh
Battery Type	LiFePO4	LiFePO4	LiFePO4	LiFePO4	LiFePO4	LiFePO4
Dicharge Depth	90%	90%	90%	90%	90%	90%
Pack Qty.	16	12	24	42	80	204
Cooling System	Air Conditioner	Air Conditioner	Air Conditioner	Air Conditioner	Air Conditioner	Air Conditioner
Cycle Life	8000	8000	8000	8000	8000	8000
Altitude	≤1000	≤1000	≤1000	≤1000	≤1000	≤1000
Operating Temperature	-20°C~50°C	-20°C~50°C	-20°C~50°C	-20°C~50°C	-20°C~50°C	-20°C~50°C
Container	10'GP	10'GP	10'GP	20'GP	20'GP	40'HC

MPMC HYBRID®

Gas Generator Set Clean Energy Solutions

In order to help customers realize sustainable energy solution, MPMC provide Gas Generator Sets that use natural gas with a high degree of stability, flexibility and efficiency, reducing the emission compared to the conventional gensets. Except for the industrial business, MPMC gas generator set is capable for household using. Besides, MPMC gas generator sets adopt compact design so that the power supply can be transported easily. And taking full advantages of MPMC sheet metal surface technology, our gensets complies with 3 years outdoor powder coating warranty and optional galvanized steel.

- Low Emission
- Low Noise
- Low Cost



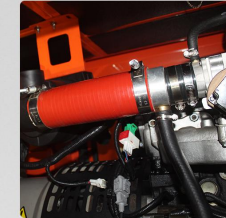
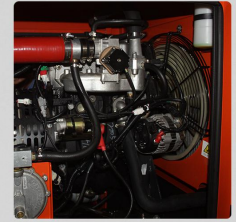
Canopy Painting:
Henkel pretreatment process and world famous brand AkzoNobel powder

Base Frame Painting:
Sandblasting process and AkzoNobel powder (Hempel paint is optional)



Key Features

1. Compact design and high strength structure
2. 50mm thickness rock wool used in the silent canopy
3. Stainless steel hinges and door locks
4. Flexible in fuel type and accept customer customization, suitable for various scenarios
5. High-intensity shock absorber
6. Lower consumption and maintenance cost
7. Lower emission complied with the emission standards in most regions
8. Reliable and economical energy solutions tailored by experienced engineers



Control Panel

1. Ultimate size to feature ratio.
2. Automatically transfers between mains (utility) and generator.
3. Hours counter provides accurate information for monitoring and maintenance periods.
4. User-friendly set-up and button layout for ease of use.
5. Multiple parameters are monitored simultaneously which are clearly displayed on the largest back-lit icon display in its class.
6. IP65 rating (with optional gasket) offers increased resistance to water ingress.



Specification

* Customization available.

Model	MPD20S	MPD25S	MPD30S
Rated Power	20kW	25kW	30kW
Rated Voltage	110/220V	110/220V	110/220V
Engine Speed	3000rpm	3000rpm	3000rpm
Frequency	50/60Hz	50Hz/60Hz	50Hz/60Hz
Phase	1/3 Phase	1/3 Phase	1/3 Phase
Power Factor	0.8	0.8	0.8
Noise Level	70dBA	70dBA	70dBA
Cooling System	Water Cooling	Water Cooling	Water Cooling
Fuel Type	LPG	LPG	LPG
Control System	Digital	Digital	Digital

MPMC HYBRID®

Mobile Hybrid Power Plant

Emergency Power Supply



Tricycle



≤40km/h



60L



40km/h
Max speed

80km
Max cruising range

60L
Fuel tank

PV/Li-ion
Integration



MPMC has developed an eco-friendly electric tricycle power plant for emergency power supply, widely used during unplanned downtime in various applications of Telecommunication, EV fast-charging, etc.

Small in size and short wheelbase make it flexible on the roads. It can traverse various complicated road sections and restore the power supply of the base stations in a short time.

Key Features

1. All stainless steel structure.
2. User-friendly input and output sockets.
3. Strong foldable support legs assist parking and prevent resonance.
4. Optional: Air conditioning system in the cab for a comfortable driving environment.
5. Henkel pre-treatment process of the canopy with sandblasting and AkzoNobel powder coating with a 3-years warranty.



Specification

* Customization available.

DIESEL SOLUTION	MTGP20S-1-SEA	MTGP25S-1-SEA	MTGP31S-1-SEA	MTGP38S-1-SEA
Rated Output	14.2kW	20kW	25kW	28kW
Voltage / Phase	400V / 3P	400V / 3P	400V / 3P	400V / 3P
Engine	403D-11G	404D-22G	404D-22G	404D-22G
Fuel Consumption @100% Load	6.3L/h	8.8L/h	11.1L/h	12.4L/h
Duration	9.5h	6.8h	5.4h	4.8h
Max Speed	40km/h	40km/h	40km/h	40km/h
Turning Radius	1640mm	1640mm	1640mm	1640mm
Dimensions (LxWxH)mm	3280x1380x1840	3280x1380x1840	3280x1380x1840	3280x1380x1840
Net Weight	1180kg / 2601.45lb	1280kg / 2821.92lb	1380kg / 3042.38lb	1380kg / 3042.38lb
Fuel Tank	60L	60L	60L	60L
Max Cruising Range	80km	80km	80km	80km

BATTERY SOLUTION	Battery Chemistry	Battery Capacity	Battery Module	PCS Output
	LiFePO4	30.7kWh	51.2V 100Ah	15kW
BATTERY SOLUTION	Max Charge Current	Max Discharge Current	Cycle Life	Weight (with vehicle)
	50A	50A	8000	1200kg

MPMC HYBRID®

Solar Lighting Tower

HSL Hybrid Series



DC
LED
LIGHTING TOWER

**MAST
UP TO
7.5 M**

Specification

* Customization available.

MODEL	HSL-1000	HSL-1500	HSL-2500
Rated Power (LED Lamp)	100W*4	150W*4	250W*4
System Voltage	24VDC	24VDC	24VDC
Solar Panel	335W x 3	500W x 3	500W x 5
Battery Type	AGM	AGM	AGM
Battery Module	6-GFM-200	6-GFM-150	6-GFM-250
Battery Quantity	2	4	4
Mast Driver	Manual	Manual	Manual
Maximum Lifting Height	7.5m	7.5m	7.5m
Standby Generator (Option)	1000W	2000W	2000W
Loading Dimensions (LxWxH)mm	2384x1150x2458	2650x1150x2458	2860x1150x2458
Expanding Dimensions (LxWxH)mm	3400x2950x7500	3550x3280x7500	3750x5410x7500
Net Weight	765kg / 1686.54lb	900kg / 1984.16lb	1180kg / 2601.46lb
Solar System Charge Time	6h	7h	7h
Standby Generator Charge Time	6h	7h	9h
Lighting Discharge Time	8h	8h	8h
Speed (km/h)	Standard: ≤25 Option: ≤80	Standard: ≤25 Option: ≤80	Standard: ≤25 Option: ≤80

*Data is for reference only

Key Features

Powerful design, Safe and Reliable low-voltage operation system. These towable light towers can be used for any application where a diesel, gas or electric generator-powered light tower is needed.

1. Meets needs of off-grid & battery shortage environment.
2. High performance LED lighting.
3. Slided and folded solar panels, compact and green.
4. Solar panels are controlled by electric push rod.
5. Convenient mains input and gasoline generator input interfaces.
6. German brand AL-KO trailer.

Optional

- Electric winch, vertical telescopic mast.
- Output plugs according to voltage as power supply to loads.
- Standby gasoline generator charge the battery when in shortage.
- Equipped with 4G router and web camera for surveillance & monitoring.
- Settable load model (a. 24 hours working b. working hours setting c. 8 hours working at night only)



Electric mast with high strength structure

Angle-adjustable, drawer structural



Solar



Battery



Standby Genset

MPMC HYBRID®

Hybrid Lighting Tower HLB Hybrid Series



DC
LED
LIGHTING TOWER

MAST
UP TO
9 M

Specification

* Customization available.

MODEL	MLT4KSC-1400HLB
Rated Output	3.7kW
Rated Voltage	48VDC
Loading Dimensions (LxWxH)mm	2430x1650x2557
Expanding Dimensions (LxWxH)mm	3390x1650x2557
Weight	1682kg /3708.17lb
Lighting System	LED 350Wx4
Mast Driver	Electrical/Hydraulic
Maximum Lifting Height	9m
Maximum Wind Resistance Level	Level 8
Battery System	AG-4850A Lithium-ion battery
Rated Capacity	250Ah
Cycle Life	2000 @ DOD 80%
Charging / Discharging Time	3h / 6h
Engine	Kubota
Rated Power	4.6kW
Rated Speed	1800rpm

Key Features

1. High brightness and wide range lighting: 9m mast design, and 359 degree mast rotation and 90 degree Lamp rotation, 4*350w LED Lamp delivers 189000 lumens.
2. Strong chassis and mast structure, excellent performance in a variety of operating conditions. Coated with Akzo UV powder keeps the color for 3 years. AL-KO's high stability axle and vehicle design ensure the safety of operation.
3. Smart controls: Smartgen 404 control with manual / Auto operating mode. Remote controlled by phone & PC via Cloud monitor system.
4. Security system design: lighting tower level detection, parking brake and lamp pole lifting lock. Alarm system during lifting to ensure safety of user and equipment.



Efficient hydraulic lifting system

Mast can be rotated 359 degrees

Fully sealed base & fuel tank to prevent leakage. Larger capacity fuel tank for 3 weeks operation.

Obvious audible and visual alarm

On road trailer with driving and parking brake, speed up to 90 km/h



Battery



Genset

MPMC HYBRID® SEMOKii

PORTABLE POWER STATION

Lithium-ion Battery Generator

Outdoor Power Supply

Easy to pack and ready to keep you powered. Perfect for short weekend trips and charges up on the go from the solar panels. Advanced battery protection and sleek design make for a light weight, big power solution. With lithium-ion packs and increased shelf life means you are ready for any type of project.

Emergency Power

Never worry about a sudden power cut! The big capacity of MPMC portable power station is capable of your uninterrupted emergency power supply for your lights and mobile phones. And there is also a light on the portable power station that will always accompany you in the worst situation.

1080Wh
MAX CAPACITY

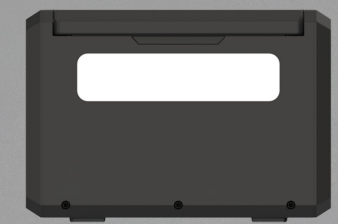
1000W
MAX POWER

1000
CYCLE TIME



Description

The Semookii lithium-ion battery portable power station integrates a battery energy storage system and a stable inverter. There are lots of ports such as AC outlets, a Quick Charge port, USB-A ports, DC ports and a car port in order to meet different power appliances including lights, laptop, drone, etc.



▲ Emergency Light



▲ Wireless Charging



Drone
9 Hours



Light
100 Hours



Electric blanket
12 Hours



Macbook
5 Charges



iPhone
50 Charges



TV
8.5 Hours

*The data above comes from the test on PPS-500

Specification

* Customization available.

Model	PPS-300pro	PPS-300	PPS-500	PPS-600	PPS-1000
Max Output Power	300W	300W	500W	600W	1000W
Battery Capacity	285Wh	288Wh	540Wh	540Wh	1080Wh
Battery Type	Lithium-ion	Lithium-ion	Lithium-ion	Lithium-ion	Lithium-ion
DC Charging Time	5h	5h	6h	6h	7h
AC Output	110/220V	110/220V	110/220V	110/220V	110/220V
Car Port	✓	✓	✓	✓	✓
USB-A	2*18W	2*18W	3*18W	2*18W	3*18W
Type-C	1*60W	2*60W	1*60W	2*60W	2*60W
PV Charge	✓	✓	✓	✓	✓
Cycle Time	1000	1000	1000	1000	1000
Certifications	UN38.3 / MSDS / UL / RoHS / CE / FCC / PSE				
Operating Temperature	-10°C~+40°C	-10°C~+40°C	-10°C~+40°C	-10°C~+40°C	-10°C~+40°C
Warranty	12 months	12 months	12 months	12 months	12 months

*The data above is for reference only

MPMC HYBRID® SEMOKii® RESIDENTIAL ENERGY STORAGE

Modular Battery Storage System

Store Energy/Backup Power

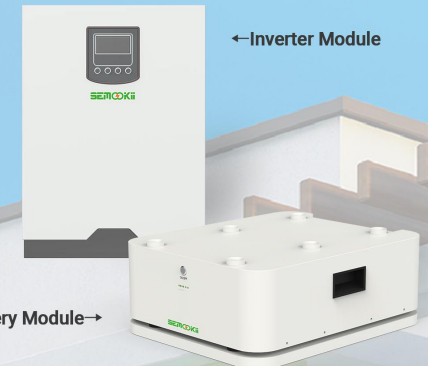
MPMC provides residential battery energy storage system in order to enhance the stability of photovoltaic system so that we can utilize the extra solar energy at night. Besides, storing energy can reduce our reliance on the grid power because this system will power your house when the power is off or the sun isn't shining without any emission and noise. What's more MPMC residential energy storage adopts modular design that is easy and convenient for installation and expansion.

Save Money/0 Emission

Under the help of the battery energy storage system, you can benefit through using the energy stored at night that is much lower than the grid electricity during the day time. Last but not the least, MPMC battery energy storage system supply power with no emission and noise

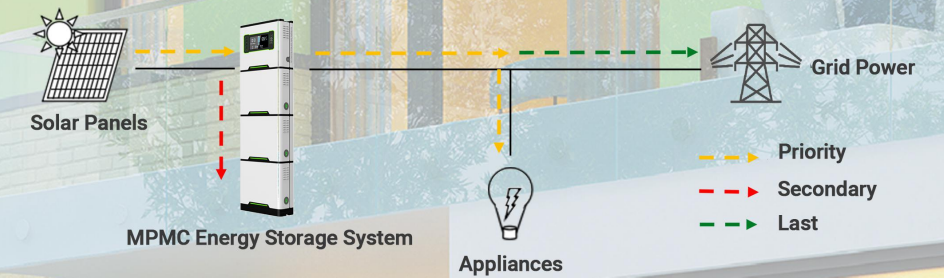
Modular Design

The MPMC energy storage system consists of two parts which are couples of battery storage systems and an inverter. Each battery module has a 5.18 kWh LiFePO4 battery pack and battery management system that can serve a longer time and provide a more stable power. The capacity of energy storage system is able to be expanded to 60kWh to meet various demands. The inverter module will adjust according to the system capacity and different demands of max rated power up to 15kW.



Key Features

1. Install-and-go design, easy operation;
2. High efficiency with stable power supply;
3. Long battery life, providing uninterrupted power;
4. High-strength integrated structure;
5. Designated intelligent system and visualization to monitor operation status.



Specification

* Customization available.

Model	HBC-5-5	HBC-5-10	HBC-5-15	HBC-10-10	HBC-10-20
Max Output Power	5kW	5kW	5kW	10kW	10kW
Battery Capacity	5.18kWh	10.4kWh	15.6kWh	10.4kWh	20.8kWh
Battery Type	Lithium-ion	Lithium-ion	Lithium-ion	Lithium-ion	Lithium-ion
Rated Voltage	51.2V	51.2V	51.2V	51.2V	51.2V
AC Output	230V	230V	230V	400V	400V
IP Grade	IP65	IP65	IP65	IP65	IP65
Cycle Life	10000	10000	10000	10000	10000
Temperature	-10°C~50°C	-10°C~50°C	-10°C~50°C	-10°C~50°C	-10°C~50°C
Altitude	≤2000m	≤2000m	≤2000m	≤2000m	≤2000m

*The data above is for reference only



MPMC HYBRID®

Hybrid Energy Solutions

Integrated, reliable and customized renewable energy



Solar & Battery & Wind



Battery & Diesel/Gas Genset



Solar & Battery & Diesel/Gas Genset



Solar & Battery & Wind & Diesel/Gas Genset



Genset & Battery



Solar & Battery & Genset



Battery & EV



Natural Gas



Industrial BESS



Industrial BESS

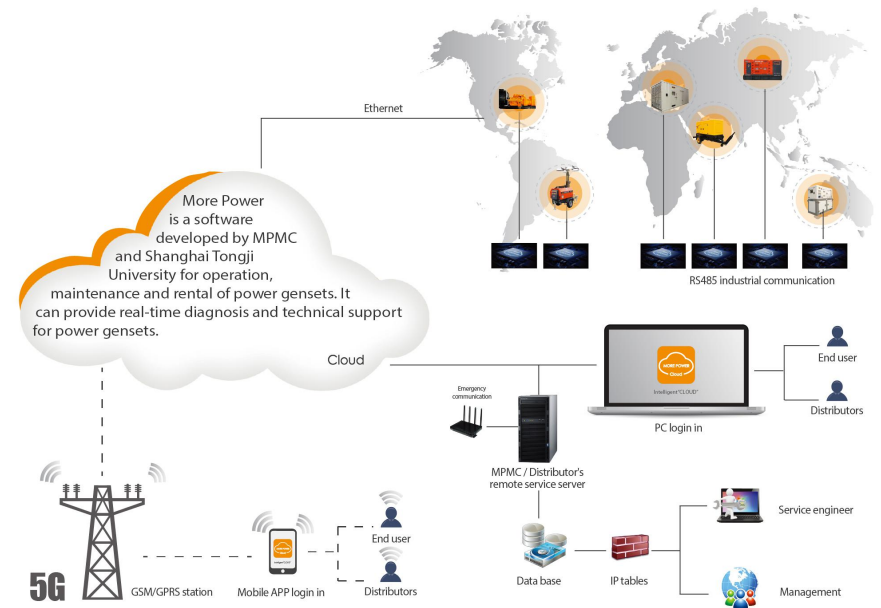


Portable Battery



Residential Battery

Internet Intelligent “More Power” Remote Service System



- Support all the international branded controllers
- RS485 industrial communication
- GSM/GPRS network communication
- GPS satellite system

MPMC Cooperated with Tongji University and developed “More Power” cloud system which focused on the power solution systems health management for operation, maintenance and rental.

More Power system includes global intelligent remote control, hierarchical management, multi-language instant messaging, after-sales service, spare parts online orders and other types of data collection. It supports PC and mobile APP.

More Power can provide real-time diagnosis and timely technical support for customers in different countries and different industries.