



All In One Energy System

MULTIFIT

Beijing Multifit Electrical Technology Co.,Ltd

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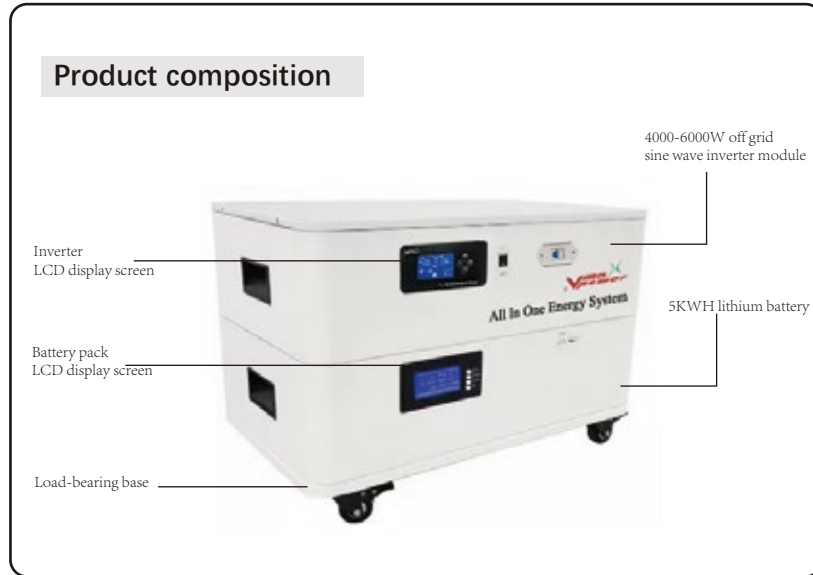
✉ multifit@multifitele.com

🌐 <http://vmaxpowerpv.com/> <http://www.multifitsolar.com>

📍 R 503-No.5 Building RongHuaXinTai No.10 Courtyard.
Ronghua South Road, Beijing Economic &
Technological development Zone100176,BeiJing China

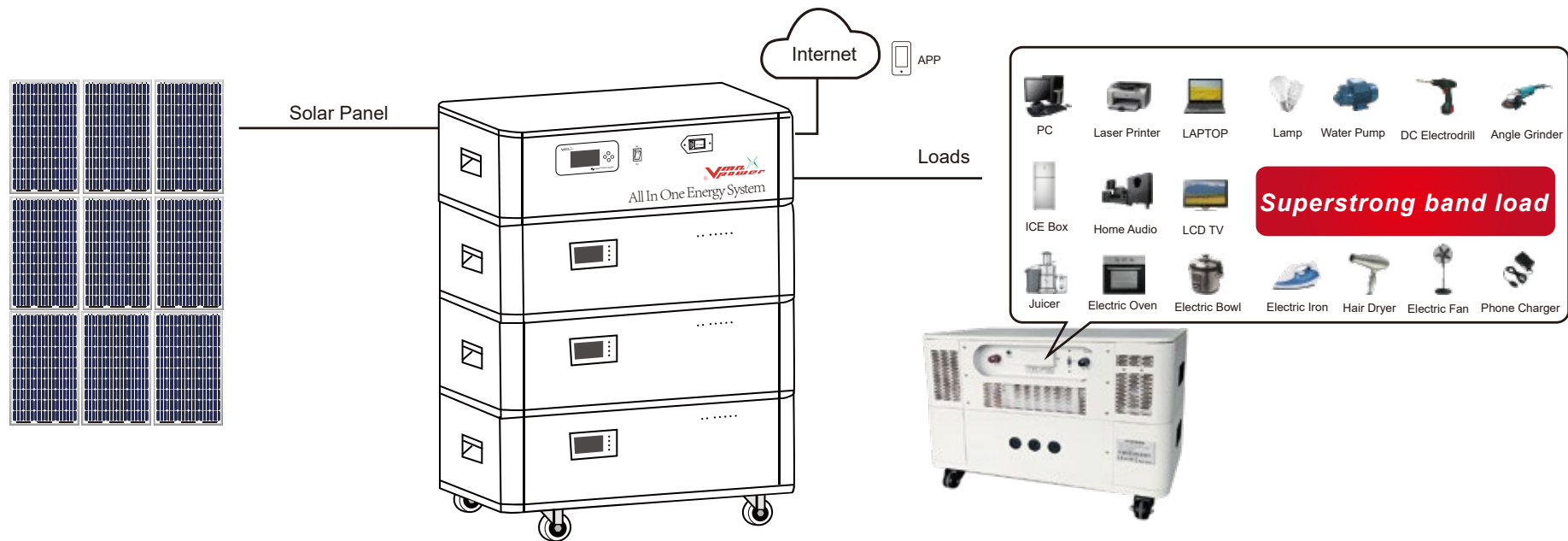
Factory address:
3/F, JieSi Bldg., 6 Keji West Road, Hi -Tech Zone, 515041, Shantou, Guangdong,
China





Performance characteristics

- Microcomputer fully automatic CPU control;
- The charging current is large and can be adjusted to a maximum of 80A;
- Ultra low static power consumption, saving at least 12% of electricity under no-load conditions, effective and environmentally friendly;
- Adopting power frequency scheme combined with electrical isolation technology, with strong load capacity and strong impact resistance;
- Intelligent charging, adjustable charging voltage and current, effectively extending the service life of the battery;
- Pure sine wave output, stable frequency and voltage regulation, small ripple;
- Integrating inverter, automatic charging, and automatic switching between mains and battery, the transfer time is fast, less than 4 milliseconds, ensure that the load can continue to operate in the event of mains power failure
- Voltage and frequency options: 220V/110V+/-10%, 50/60Hz
- Support battery powered operation
- Can work together with the generator
- Intelligent fan control mode. When the radiator temperature is $\geq 30\text{ }^{\circ}\text{C}$, the fan starts to run, and when it is $\geq 100\text{ }^{\circ}\text{C}$, the machine automatically shuts down for protection



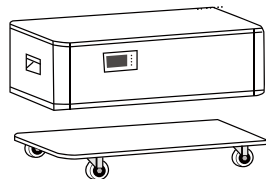
Modular stacking combination

Off grid pure sine wave inverter

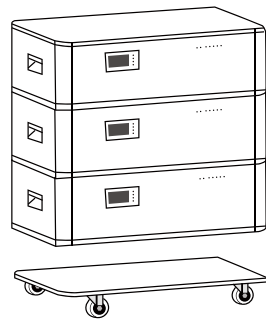


module Used with battery pack

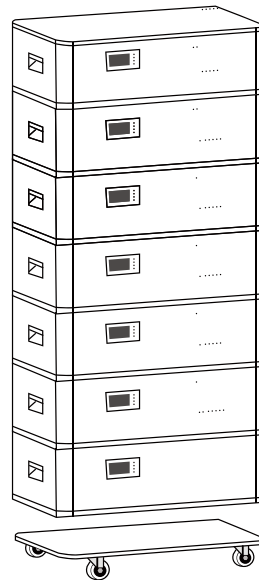
Lithium battery pack



1: piece



3: piece



7: piece

Integrated design of battery pack and inverter module, beautiful and space saving
Flexible assembly and expansion, easy installation and replacement
Example: A single inverter module with a power of 5000W and a single battery module with a capacity of 5KWh battery pack
Can be increased to 35KWh (7 layers)

Product parameters

Type (unit)	M-ESS4K	M-ESS5K	M-ESS6K
Rated Power	4000W	5000W	6000W
MPPT Controller	48V 60A		
MPPT Voltage Input Range	MPPT: 80 - 150V		
Input	Voltage	AC165-275V/AC85-135V	
	Frequency	50Hz/60Hz	
Output	Voltage	220/230/240V/110/115/120V	
	Frequency	50HZ-60HZ (Optional)	
	Wave	Sine Wave	
	Distortion factor	<3%	
	Efficiency	>80%	
Battery	Type	lithium Battery	
	Rated Voltage	51.2V	
	Battery Capacity	0-30A Optional	
Protection	Over temperature, overload, short circuit, battery with low voltage, battery with high voltage, AC input high voltage/low voltage protection		
Working Model	Normal and Energy Saving		
Transform Time	<10ms		
Load Capacity	100%-120% 30s protection, 125%-140% 15s protection, > 150% 5s protection		
Operating Environment	Temperature	0-50°C	
	Humidity	10%-90% Non-condensing	

Explanation:

Due to the continuous innovation, research, and product improvement of the product, this product information table is for reference only, and the actual product obtained shall prevail. If there are any changes in the upgrade process specification information table, no further notice will be given.