



M-ESS Series

Rated Power 4000-6000W

Flexible Configuration

Voltage and frequency options:

220V/110V \pm 10%, 50/60Hz

Support battery powered operation

Can work together with the generator



**High Efficient
Energy-saving**



High Reliability



**Saves space
Easy to move**

- 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;
- Intelligent fan control mode.
- Integrated design of battery pack and inverter module, beautiful and space saving
- Flexible assembly and expansion, easy installation and replacement



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Modular stacking combination

Off grid pure sine wave inverter



Module Used with battery pack

Lithium battery pack

1: piece



3: piece



7: piece



lithium Battery : 5KW/Piece

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)

Technical Data

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	5.12KWH (MAX*7)		
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℃		
	Humidity	10%-90% Non-condensing		



Company Wechat

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Official Accounts