ALL-IN-ONE Energy System

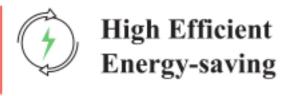




M-ESS Series

Rated Power 4000-6000W

Flexible Configuration
Voltage and frequency options:
220V/110V+-10%, 50/60Hz
Support battery powered operation
Can work together with the generator







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











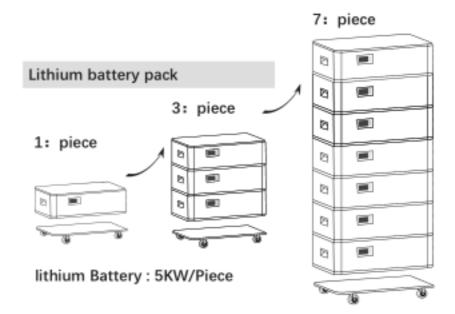
ALL-IN-ONE Energy System

Modular stacking combination

Off grid pure sine wave inverter



Module Used with battery pack



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	Туре	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		



