



SOLAR ENERGY STORAGE SYSTEM

M-ESS Series

—
All-in-one



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🌐 www.vmaxpowerpv.com



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- ▶ Equipped with Fuma wheels, it is convenient for movement and installation, and is suitable for ground installation.
- ▶ Settings can be made through the keypad screen, and the operation is comfortable and easy.
- ▶ Cycle Times \geq 6000+ cycles.
- ▶ Big brand High-performance BMS.
- ▶ Touch LCD screen, remote monitoring and management via APP.
- ▶ Suitable for small households, offices, schools, etc.

Product parameters

Model	M-ESS 3.2K	M-ESS 6.2K
Nominal voltage	25.6V	51.2V
Over charge detection voltage	29.2V	58.4V
Over charge release voltage	27.6V	56V
Over discharge detection voltage	20V	40V
Over discharge release voltage	21.6V	43.2V
Standby power consumption	12mW	12mW
Automatic shutdown voltage	20V	40V
Battery Capacity	314Ah	314Ah
Energy	8038Wh	16076Wh
Weight	65kg	122.5kg
Size	430x250x705mm	685x250x810mm

Hybrid Solar Inverter	M-ESS 3.2K	M-ESS 6.2K
Inverter Rated Power	3200W	6200W
Grid-Connected Power	2500W	4500W
AC power input voltage	Default 180VAC-265VAC, Can be set to 100VAC-280VAC	
AC Input Frequency	47Hz-63Hz	
Maximum AC Charging Current	60A	
Inverter Output Voltage Range	220VAC/230VAC/240VAC \pm 3%	
Full Load Efficiency	92%	
Maximum Inverter Efficiency	94%	
Maximum PV Input Current	18A	27A
Maximum PV Input Power	3500W	7000W
Maximum PV Charging Current	100A	
MPPT Optimal Operating Voltage	360VDC	
MPPT Voltage Range	45VDC-450VDC	
No-load loss	25W	
IP rating	IP30	



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