

MANGO POWER E

Meet 99% of Your Home and Portable Power Needs

Battery

3.5kWh
(Expand to 14kWh)

Output

3-6kW

Warranty

5 years

Battery Cell

CATL





MANGO POWER E



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General		MANGO POWER E	MANGO POWER E Battery
	Net Weight	100.1lbs(45.4kg)	73.1lbs(33.18kg)
	Size	17.8x13.6x19.4 inches(452x345x494 mm)	17.8x13.6x12.5 inches(452x345x318mm)
	Working Temperature	Charging: -20°C~60°C Discharging: -30°C~60°C"	Charging: -20°C~60°C Discharging: -30°C~60°C"
	Warranty	5 years	5 years
	Certifications	Meets US and International Safety and EMI Standards	Meets US and International Safety and EMI Standards
	Quick Charge	Recharge to 80% in 1 hour Recharge to 100% in 1.5 hours	
	Running Noise	<40dB under no-load <51dB under full-load"	
	IP level	IP21	IP21
	Capacity Expansion	Can expand the capacity by one E Battery to 7.06kWh	
	Power Expansion	Can expand the power by two to 6kW	
	240V split phase	With mSocket Pro or mPanel(sold separately), can output 240V split phase, 6000W	
	Home Backup	Support(need mPanel)	
Battery	Battery Capacity	3.53 kWh	3.53 kWh
	Cell Chemistry	World's best CATL LFP	World's best CATL LFP
	Life Span	Capacity Retention >70% after 6000 cycles (@25°C, +0.5C/-0.5C)	Capacity Retention >70% after 6000 cycles (@25°C, +0.5C/-0.5C)
	Battery Management Systems	Over Voltage Protection, Overload Protection, Over Temperature Protection, Short Circuit Protection, Low Temperature Protection, Low Voltage Protection, Overcurrent Protection	Over Voltage Protection, Overload Protection, Over Temperature Protection, Short Circuit Protection, Low Temperature Protection, Low Voltage Protection, Overcurrent Protection
	Max charging rate	Up to 1.1C	Up to 1.1C
Input	Charging Method	AC Wall Outlet, Solar Panel, EV Charger, Generator	AC Wall Outlet, AC Adapter
	AC Charging	Max 3000W	Max 3000W(by connected to MPE)/AC Adapter
	Solar Charging	Max 2000W (60V-150V)	/
	EV AC Charging Spot	Adapter needed	
	Generator	Support	

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Inverter	Rated AC Output Power	3000W, 120V AC, 60Hz	
	Power of Over-load	3150W<load≤3750W, 5mins; 3750W<load≤4500, 60s 4500W<load≤4800W, 10s 4800W<load, less than 40ms	
	Maximum Power Point Trackers	1x, Support Both Roof and Portable Solar Panels	
	Inverter Efficiency	Up to 88%	
Output	Output Ports	16	3
	AC Output Ports	4 x 20A	
	USB-A	6 x QC 3.0 27W	1 x QC 3.0 27W
	USB-C	1 x PD 65W+1 x PD 100W	1 x PD 100W
	Car Power Output	12V/10A	12V/10A
	DC5521 Output	2x12V/5A	
	AC RV Port	30A	
Smart Control	Connection	Bluetooth and Wi-Fi	
	App Remote Control	Yes	
	OTA Upgrade	Yes	
	USB Firmware Update	Yes	
	Customized Mode	Backup Power Mode / Economical Mode / Time-based Control Mode	
	Smart Measurement	Yes	
	Smart Energy and Carbon Footprint Report	Yes	
	Smart Notifications	Yes	
Screen	Size	4.3 Inches	
	Touch Screen	Yes	
	Resolution Ratio	480 x 800	
	Screen pigment	16.7M colors	
Safety	Smart Self-Check System	Yes	