

Replacing diesel generators Energy Storage Power M50

5120Wh



AC High Power Output
Max 5000W

Maximum solar input: 1200W

Reduce your electricity bills and strain on the grid by drawing power from the M50 to power your home during peak tariff hours. Charge your M50 during off-peak hours using low-cost or renewable energy sources.

5120 Wh

Battery capacity

4500 W (230V)

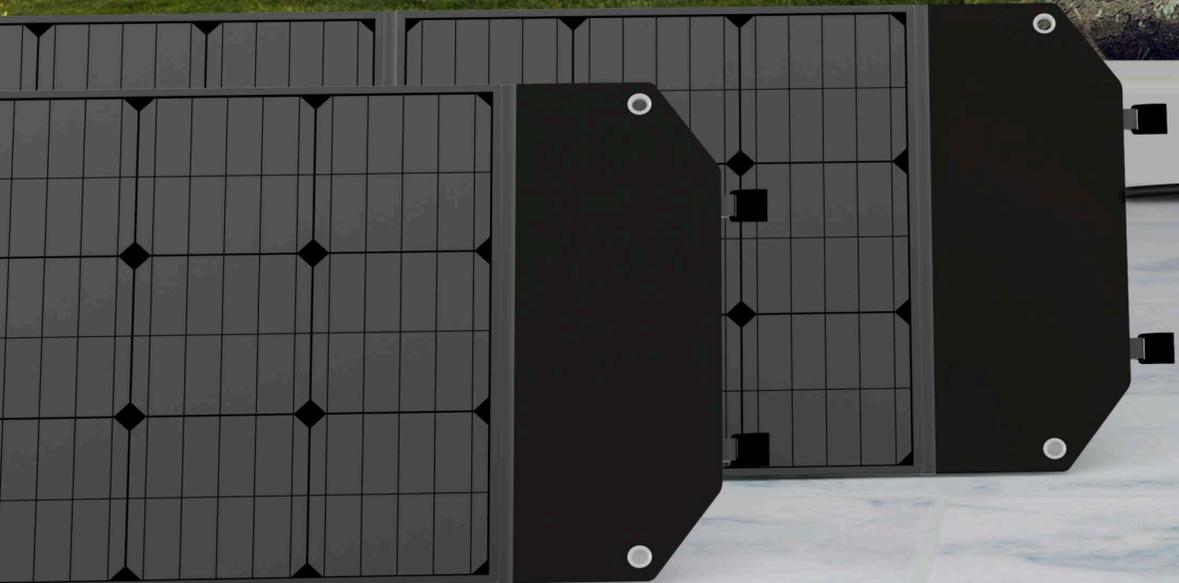
3600 W (110V)

Rated power

5500 W

(230V)

peak power



AC Input

PV Input

100-120V~60Hz / 1200W Max
220-240V~50Hz / 1500W Max

12-80V/20A.Max1200W



A good helper for outdoor homework

High power suitable for various electrical appliances, environmentally friendly and high-energy



Building construction

5000W



Logging operations

5000W

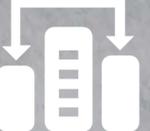


RV road travel

5120Wh



Large capacity, scalable

Capacity after
parallel operation 

10240_{wh}

M50 Pro Implementation
Functionality





Supports High-Power Charging

AC Input: 1500W Max

The M50 supports high-power charging, significantly reducing charging time. It eliminates the need to occupy charging equipment for long periods, enhancing convenience in both daily life and work. With a more efficient charging process, it reduces energy waste and provides an excellent long-lasting battery experience

3 charging method



solar Charging

About 5 hours to fully charge



AC Charging

About 4 hours full



Cigarette
Lighter Charging

About 50 hours to fully charge

Choice exceeds expectations, energy exceeds imagination

Unlike gasoline power generation, it provides you with battery life in the event of a power outage, allowing you to keep your equipment running. The MPPT solar input device with a capacity of up to 1200W can quickly charge or maintain device operation without depleting the panel load battery. Do you remember when you were worried about a power outage? Don't worry anymore, let's get to know each other better

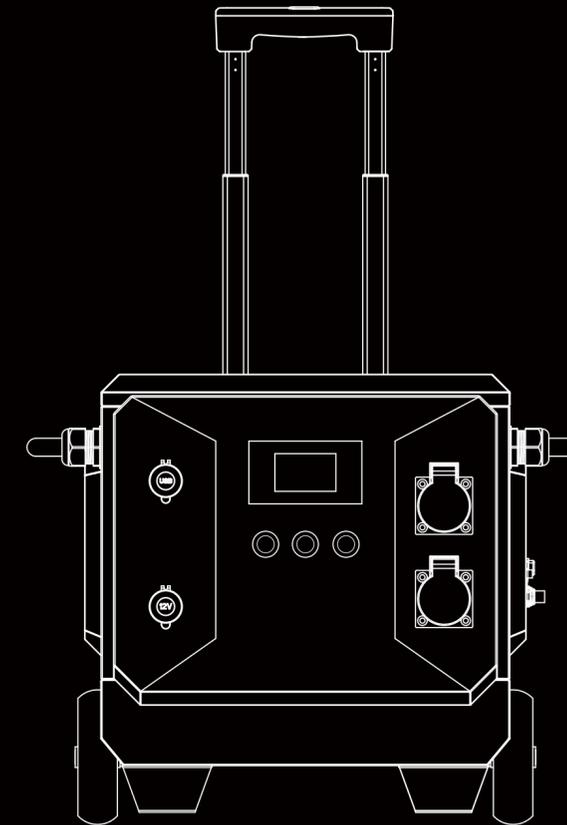
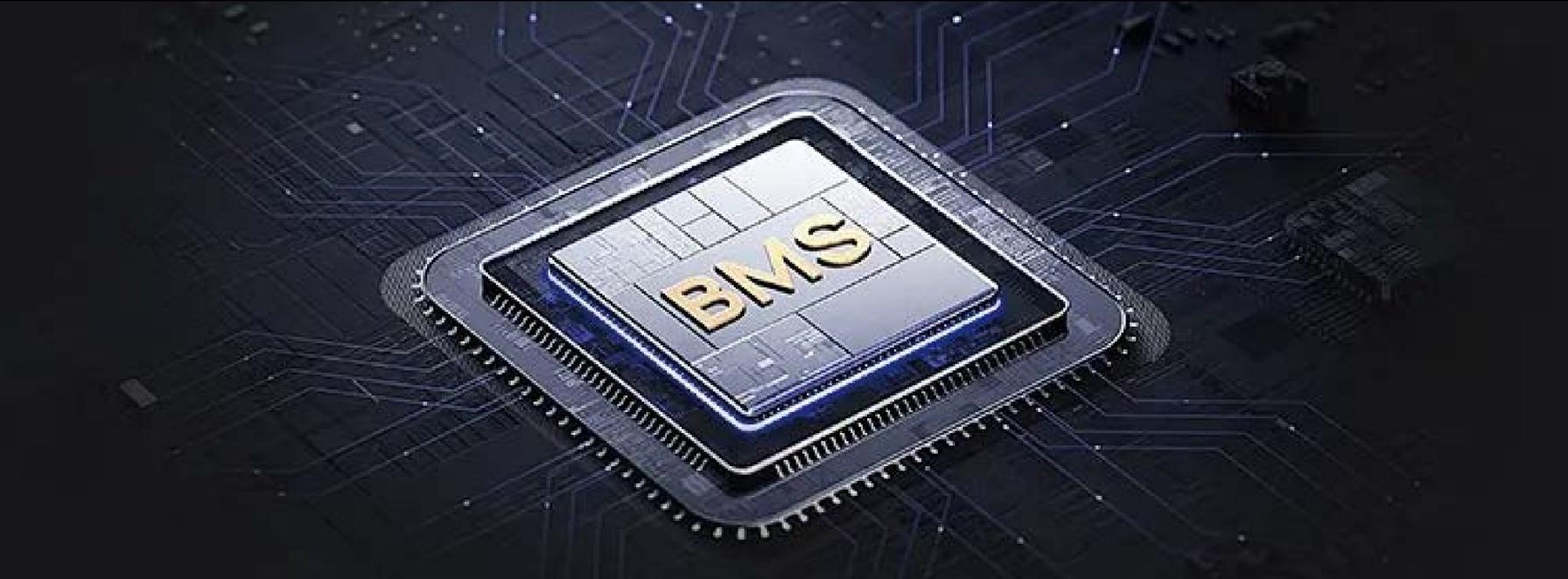




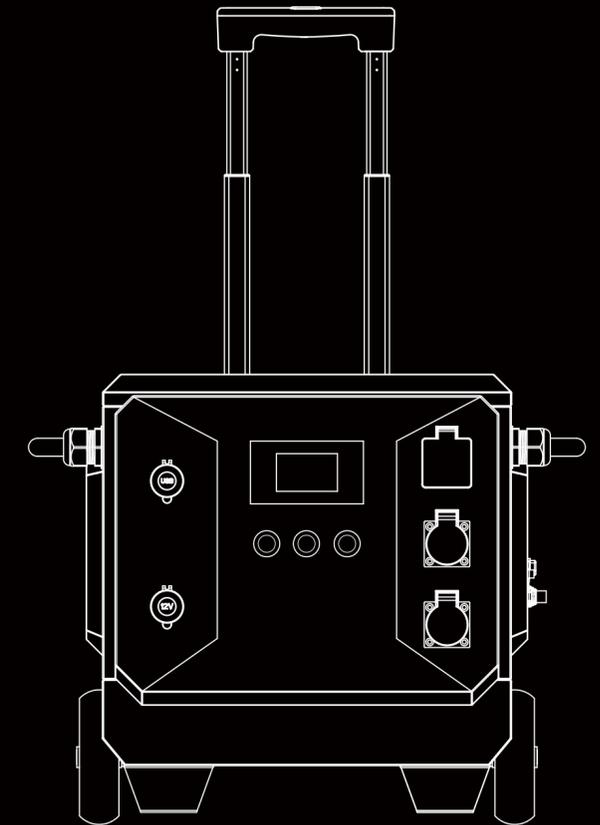
Safe and intelligent And constantly developing

The advanced battery management system and LiFe-PO4 chemical composition bring incredible safety and durability to the M50. Firmware of built-in dual core microcomputer and Internet connected M50 can be upgraded through Internet connection. There is no best, only better!

Intelligent power management



EU



US

A comprehensive and multiple protection mechanism ensures the safe and reliable operation of the equipment.



Over Discharge Protection



Overload Protection



Overcharge Protection



Short Circuit Protection



Overvoltage Protection



Over Temperature Protection



Low Temperature Protection

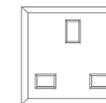


Basic product data parameters

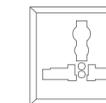
model	M50	Car charger output	12V/10A
capacity	5120Wh (51.2V/100Ah)	USB-A	QC3.0×1
Solar input	12-80V/20A.Max1200W	Number of cycles	≥3000 Cycles
AC input	100-120V~60Hz / 1200W Max	AC output	5500W Max
	220-240V~50Hz / 1500W Max		3600W Max
size (L*W*H)	622*420*520 mm		



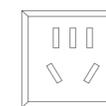
support AC output socket from multiple countries



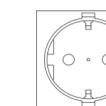
UK



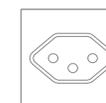
Universal port



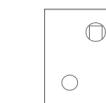
CN



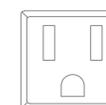
EU



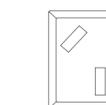
Swiss port



South Africa port



US/JP



AU

M50

Interface size details



Size: 622*420*520mm

Usage scenarios

Flexible power plants that meet various scenarios and have different uses.



Energy storage power supply with ultra strong endurance

Suitable for various scenarios



construction site



Rural fields



Isolated island



shops



RV travel (outdoor camping)