

ALL IN ONE SYSTEMS
Off-Grid Inverter

MasterPower
Unlimited power



MOBILE POWER STATION
MPS-2.5K



2500 W

**MASTER
BATTERY**



Paseo de Extremadura, 39 - 28935 Móstoles - Madrid (Spain)
Tel. +34 918 021 649 - Fax. +34 917 750 542
info@masterbattery.es - www.masterbattery.es/en


zeroCO₂

MPS-2.5K

MOBILE POWER STATION

MAIN FEATURES

- Mobile Power Station, mega capacity in compact size on the wheel.
- Power 99% of your home appliances.
- Super fast recharge, 0-90% in one hour.
- Dual input power sources, grid and solar power.
- Scheduled charging, charged by grid during off-peak hours.
- Charging source priority setting, solar or grid.
- Output source priority setting, solar, battery or grid.
- Sinewave AC output Lithium-ion battery bank.
- 40 A (1000 W), 100 A (2500 W) built-in AC charger 40 A (1000 W), 100 A (2500 W)
- built-in solar charger ultra fast fully charging in one hour.
- 5 AC outlets, 4 DC outputs.
- Dual inputs, grid and solar.
- Built-in battery management system (BMS).
- Wi-Fi + APP, remote control & monitor daily power consumption.

ADVANTAGES

Power 99% of home appliances during long blackout

- Power 9 devices at the same time for 1 h and more.
- Power most essential appliance over 24 hours.
- Backup time or charge times.

Highly mobility and Plug & Use

If you need to relocate the energy bank, simply unplug it and move it anywhere.

Peak cut

Store the power at night when the utility is generally cheaper and more available and discharge power when needed.

3000 W solar input, fully charging in 1 h without compromise

0 – 90% in one hour

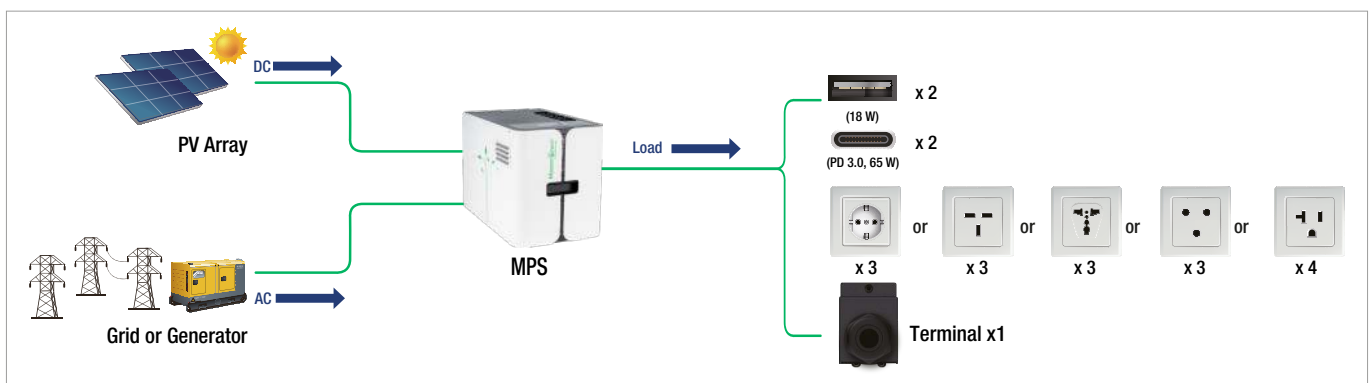
Built-in 100 A big charger, fully charged in 1 h.

Expand output power with 2 energy banks in parallel

Expandable capacity from 2.5 kWh

Wi-Fi & APP

SYSTEM DIAGRAM



MPS-2.5K

MOBILE POWER STATION

TECHNICAL SPECIFICATIONS

Rated Inverter Power		2500 VA / 2500 W
INPUT		
Voltage		230 VAC
Selectable Voltage Range		170-280 VAC (For Computers); 90-280 VAC (For Home Appliances)
Frequency Range		50 Hz / 60 Hz (Auto sensing)
OUTPUT		
AC Voltage Regulation (Batt. Mode)		230 VAC \pm 5%
Surge Power		5000 VA
Efficiency (Peak)		90% ~ 93%
Transfer Time		10 ms (For Personal Computers); 20 ms (For Home Appliances)
Waveform		Pure sine wave
Output Connectors	Outlets	UK x 4 or Schuko x 4 or Universal x 4 or South Africa x 4 or Brazil x 4
	USB Ports	Type A x 2 (QC 3.0, 18 W x 2)
		Type C x 2 (PD 3.0, 65 W x 2)
No Load Consumption		40 W
BATTERY		
Energy		1536 Wh
Nominal Voltage		51.2 VDC
Full Charge Voltage(FC)		56 VDC
Full Discharge Voltage(FD)		40 VDC
Typical Capacity		30 Ah
Maximum Continuous Discharging Current		60 A
Maximum Discharging Current		65 A
Protection		BMS
Max. Charging Current		30 A (1 C)
Inner Resistance		\leq 0.6 m ohm
Lifecycle		\geq 2500 cycles, 0.5 C charging/discharging \geq 80% @ EOL 100% DoD
SOLAR CHARGER & AC CHARGER		
Solar Charger type		MPPT
Maximum PV Array Power		3000 W
MPPT Range @ Operating Voltage		450 VDC
Maximum PV Array Open Circuit Voltage		60 - 400 VDC
Maximum Solar Charge Current		30 A
Maximum AC Charge Current		30 A
Maximum Charge Current		30 A
PHYSICAL		
Dimension, D x W x H		450 x 280 x 330 mm
Net Weight		25 kg
STANDARD		
Compliance Safety		IEC/EN 62109-1/-2, EN 61000-6-4, EN 61000-6-2, IEC 62619, UKCA, UN38.3

Product specifications are subject to change without further notice.

03

