

ALL IN ONE SYSTEMS
Off-Grid Inverter

MasterPower
Unlimited power



MOBILE POWER STATION

MPS-3K



3000 W

**MASTER
BATTERY**



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zeroCO₂

MPS-3K

MOBILE POWER STATION

MAIN FEATURES

- Mobile Power Station, mega capacity in compact size on the wheel.
- Power 99% of your home appliances.
- Scalable output power from 3 kW to 6 kW.
- Expandable battery capacity from 2.5 kWh to 7.5 kWh.
- 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.
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- 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, terminal block.
- Dual inputs, grid and solar.
- Expandable to 6 kW output power.
- Expandable battery capacity to 7.5 kWh.
- 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

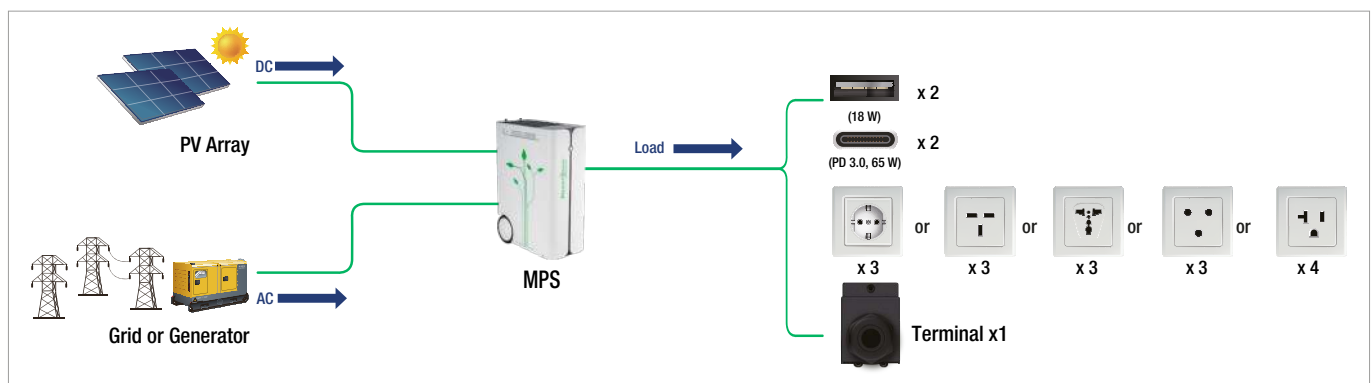
Built-in 100 A big charger, fully charged in 1 h.

Expand output power with 2 energy banks in parallel

Expandable capacity from 2.5 kWh

Wi-Fi & APP

SYSTEM DIAGRAM



MPS-3K

MOBILE POWER STATION

TECHNICAL SPECIFICATIONS

Rated Inverter Power		3000 VA / 3000 W
INPUT		
Voltage		220 VAC / 230 VAC / 240 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)		220 VAC / 230 VAC / 240 VAC \pm 5% *
Surge Power		6000 VA
Efficiency (Peak)		93%
Transfer Time		10 ms (For Personal Computers); 20 ms (For Home Appliances)
Waveform		Pure sine wave
Output Connectors	Outlets	Schuko x 4 (Also available Universal x 3 or South Africa x 3 or NEMA 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		2500 Wh
Nominal Voltage		25.6 VDC
Full Charge Voltage(FC)		29.2 VDC
Full Discharge Voltage(FD)		20 DCV
Typical Capacity		100 Ah
Maximum Continuous Discharging Current		120 A
Maximum Discharging Current		200 A
Protection		BMS, breaker
Max. Charging Current		100 A (1 C)
Inner Resistance		\leq 0.6 m ohm
Lifecycle		\geq 3500 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		60 ~ 400 VDC
Maximum PV Array Open Circuit Voltage		450 VDC
Maximum Solar Charge Current		100 A
Maximum AC Charge Current		100 A
Maximum Charge Current		100 A
PHYSICAL		
Dimension, D x W x H		450 x 222 x 622 mm
Net Weight		40 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.

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* Also available in 100 VAC / 110 VAC / 120 VAC version.

