

ALL IN ONE SYSTEMS  
Off-Grid Inverter

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**MasterPower**  
*Unlimited power*



MOBILE POWER STATION  
**MPS-2.5K**



**2500 W**

**MASTER  
BATTERY**



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zeroCO<sub>2</sub>

# 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.
- 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.
- 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

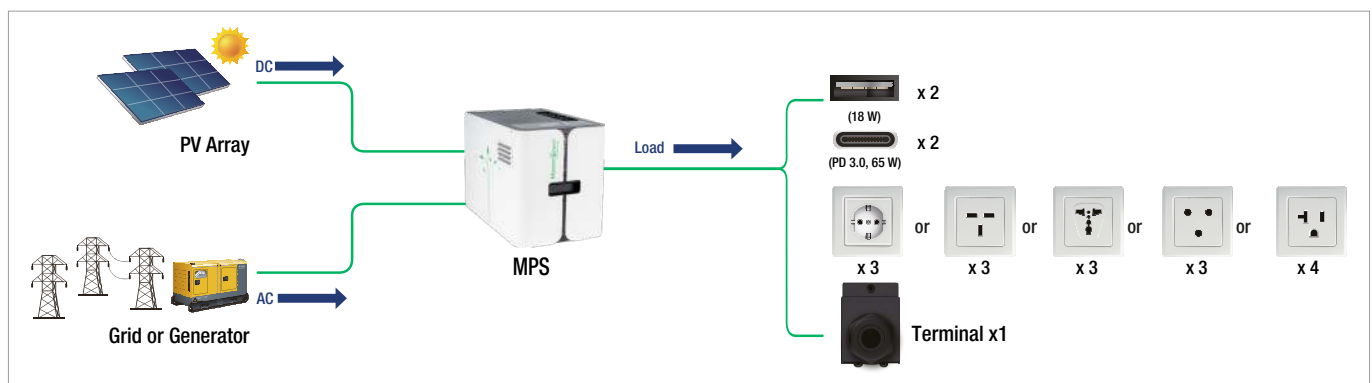
Built-in 100 A big charger, fully charged in 1 h.

#### 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   |
| <b>INPUT</b>                           |           |  |
| 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)   |
| <b>OUTPUT</b>                          |           |  |
| 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   |
| <b>BATTERY</b>                         |           |  |
| 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 |
| <b>SOLAR CHARGER &amp; AC CHARGER</b>  |           |  |
| 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   |
| <b>PHYSICAL</b>                        |           |  |
| Dimension, D x W x H                   |           | 450 x 280 x 330 mm   |
| Net Weight                             |           | 25 kg  |
| <b>STANDARD</b>                        |           |  |
| 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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