

ALL IN ONE SYSTEMS  
Off-Grid Inverter

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**MasterPower**  
*Unlimited power*



MOBILE POWER STATION  
**MPS-1.2K**



**1200 W**

**MASTER  
BATTERY**



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zeroCO<sub>2</sub>

# MPS-1.2K

## 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

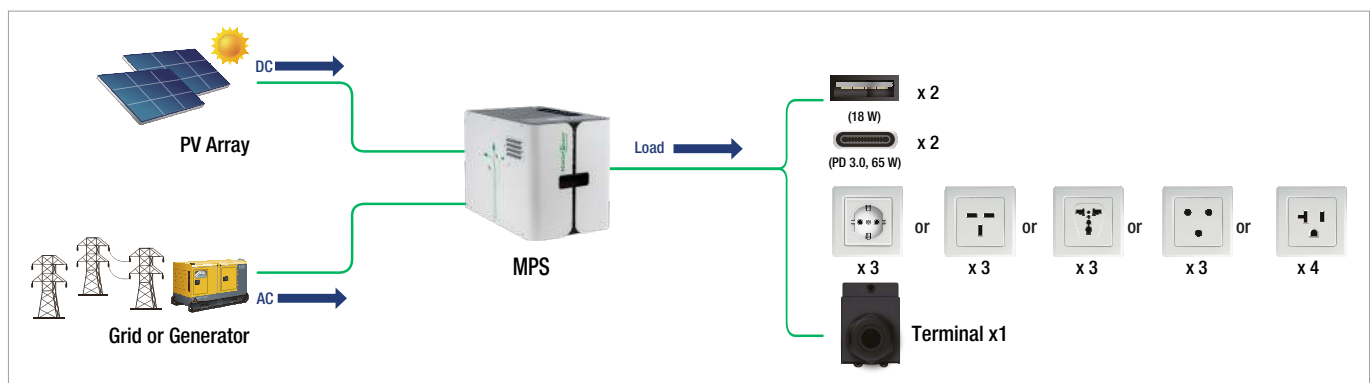
Built-in 100 A big charger, fully charged in 1 h.

#### Expand output power with 2 energy banks in parallel

#### Expandable capacity from 2.5 kWh

#### Wi-Fi & APP

### SYSTEM DIAGRAM



# MPS-1.2K

## TECHNICAL SPECIFICATIONS

Rated Inverter Power		1200 VA / 1200 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		2400 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		768 Wh
Nominal Voltage		25.6 VDC
Full Charge Voltage(FC)		28 VDC
Full Discharge Voltage(FD)		20 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		2000 W
MPPT Range @ Operating Voltage		350 VDC
Maximum PV Array Open Circuit Voltage		60 - 300 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		20 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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