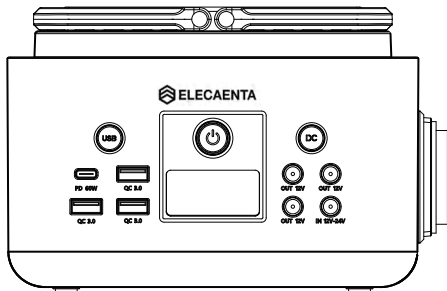




PORTABLE POWER STATION USER MANUAL



Model: Mars EM200
Contact Us: support@caenta.com
24 Months Warranty

TECHNICAL SPECIFICATIONS

Basic Specs:

Model	Mars EM200
Capacity	200Wh (3.2V/62500mAh)
Battery Type	Lithium iron phosphate battery
Life Cycles	≥3000 cycles
Dimensions	186*108*127 mm
Weigh	2.5KG
LED Lights	2

Input: (DC Input Size: 5.5×2.1mm)

DC Input	12V-24V/5A (Max 100W)
USB C Input	PD 60W input
Solar Charge Input	12V-24V/5A (Max 100W)
Car Charger	12V-24V/5A (Max 100W)

Output:

AC Output	Pure Sine Wave 200W (Peak 400W)
USB C Output	PD 60W output
DC Output	5.5*2.1mm, 12V/5A (Max 6A)
USB Output	QC3.0 (Max 24W)

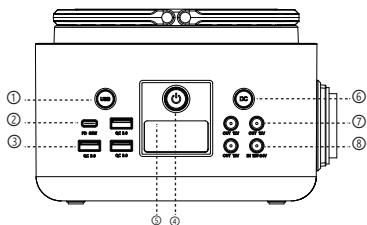
BMS & MPPT & Certifications:

Operating Temperature	-20°C ~ 60°C
Recharging Temperature	0°C ~ 50°C
MPPT	Built-in MPPT Controller
Battery Management System (BMS)	Short circuit protection; Over voltage protection; Overload protection; Overcharge protection; Over discharge protection; Over Temperature protection; NTC protection; Reverse charge protection (Hardware & Software Double Protection)
Certifications	PSE, FCC, CE, UKCA, RoHs, MSDS, UN38.3

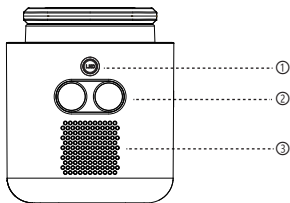
Attention:

- 1.The maximum DC input power is 100W.
- 2.The maximum output power of the power station is 346W (AC 200W+DC 60W+QC 24W+PD 60W+LED 2W).
- 3.Support pass-through charging while charging the power station via DC input (Except the PD 60W port and the right side QC 3.0 output port)

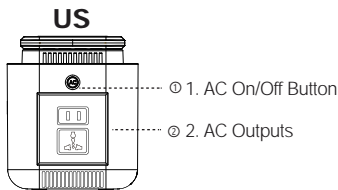
ABOUT THE PRODUCT



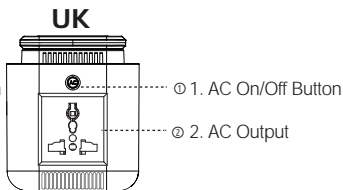
1. USB On/Off Button
2. PD 60W (Support Input and Output)
3. 3×QC 3.0 Outputs
4. Power On/Off Button
5. LCD Display
6. DC On/Off Button
7. 3×DC Outputs
8. DC Input



1. LED On/Off Button
2. LED Light
3. Ventilation Fan



1. AC On/Off Button
2. AC Outputs

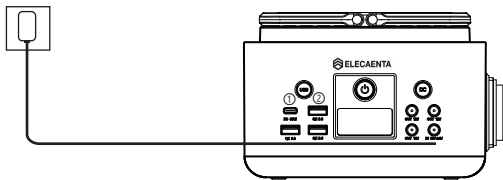


1. AC On/Off Button
2. AC Output

Tips: Press the power button 2 seconds to turn on/off the power station; When the power station is turned on, press the DC/ USB/ AC/ LED light button 1 second to turn on/off outputs; Press LED light button 1 second to change the light modes

HOW TO RECHARGE THE PRODUCT

AC Adapter (DC 5.5×2.1mm)



12-24V, 5A (100W Max)

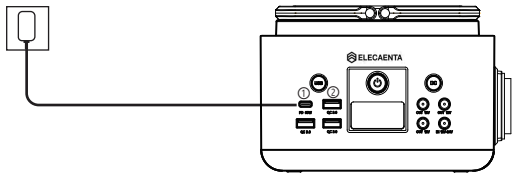
About 2 Hours Fully Charged. (Need to purchase an additional 100W AC charger)

Note:

The AC adapter included is 72W (About 3 Hours Fully Charged).

When charging by DC input port, the output ports ① and ② can not be used.

PD 60W Input

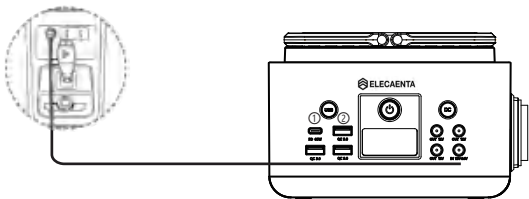


About 3.5 Hours Fully Charged

Noted:

When charging by PD 60W port ①, the output port ② can not be used.

Car Charger (DC 5.5×2.1mm)

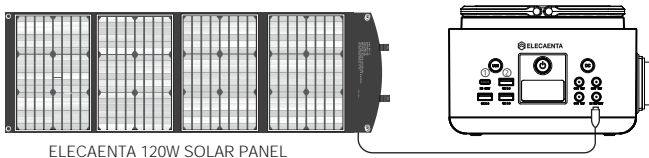


3.2 Hours Fully Charged via 12V Car Charger, 2 Hours Fully Charged via 24V Car Charger.

Noted:

When charging by DC input port, the output ports ① and ② can not be used.

Solar Charger (DC 5.5×2.1mm)



Solar Panel Charger (100W Max)

About 2 Hours Fully Charged

Noted:

When charging by DC input port, the output ports ① and ② can not be used.

COMPATIBILITY



3 Charges
Laptop (50Wh)



16 Charges
Smartphone (3208mAh)



6 Charges
Pad (28.6Wh)



11 Charges
Camera (15Wh)



5 Charges
Drone (30Wh)



8+ Hours
LED Light (20W)



16+ Hours
Router (10W)



1+ Hour
55" TV (130Wh)



16+ Hours
Radio (10W)



16+ Hours
Small Fan (10W)

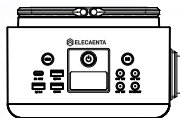


4+ Hours
Car Refrigerator (40W)

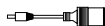


4+ Hours
Electric Blanket (40W)

WHAT'S IN THE BOX



PORTABLE POWER STATION



DC5521 to
Cigarette Socket



AC Charging Adaptor

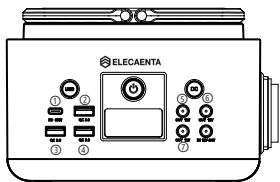


Car Charger

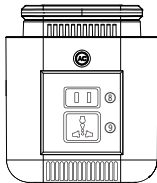


User Manual And
Warranty Card

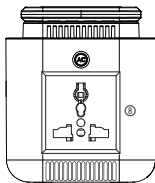
OUTPUTS



US



UK



- ① PD 60W USB C: 20V/3A, 15V/3A, 12V/3A, 9V/3A, 5V/3A
- ② QC 3.0 Output: 9~12V/3A, 6~9V/2A, 3.6~6V/3A, 5V/3A
- ③ QC 3.0 Output: 9~12V/3A, 6~9V/2A, 3.6~6V/3A, 5V/3A
- ④ QC 3.0 Output: 9~12V/3A, 6~9V/2A, 3.6~6V/3A, 5V/3A
- ⑤ DC Output (5.5×2.1mm): 12V/5A (Max 6A)
- ⑥ DC Output (5.5×2.1mm): 12V/5A (Max 6A)
- ⑦ DC Output (5.5×2.1mm): 12V/5A (Max 6A)
- ⑧ AC Output (Pure Sine Wave): 200W (Peak 400W)
- ⑨ AC Output (Pure Sine Wave): 200W (Peak 400W)

Note:

1. When using outputs ① ② at the same time, the max output is 30W.
2. When using outputs ③ ④ at the same time, the max output is 30W.
3. When using outputs ① ② ③ ④ at the same time, the maximum output power is 60W.
4. When using outputs ① ③ ④ at the same time, the maximum output power is 90W.
5. When using outputs ⑤ ⑥ ⑦ at the same time, the max output is 60W.
6. When using outputs ⑧ ⑨ at the same time, the max output is 200W.

CAUTION

1. Do not short-circuit the product. To avoid short-circuiting, keep the product away from all metal objects (e.g. coins, hair-pins, keys, etc.).
2. Do not heat the product, or dispose it in fire, water or other liquids. Keep it away from high ambient temperature. Do not expose the product to direct sunlight.
3. Keep the product away from humid, dusty places.
4. Do not disassemble or reassemble this product.
5. Do not drop, place heavy objects on, or allow strong impact to this product.
6. This product is not intended to be used by person with reduced physical, sensory or mental capabilities.
7. Please keep this product away from children.
8. Do not cover the product with towels, clothing and other item.
9. Do not overcharge this product.
10. When charging this product, please keep it away from TV, radio and other equipment to avoid radio wave interference.

COLD WEATHER USAGE

Cold temperature (-10~45 °C) can affect the product's battery capacity due to chemical characteristics of the battery. If you'll be living off the grid in sub-zero conditions, it is recommended to keep your product in an insulated cooler, and connected it to a power source (car charger/AC adapter/solar panel). The natural heat generated by the product contained in an insulated cooler will keep battery capacity at its highest level.

DISPOSAL AND RECYCLE

This product should not be disposed along with household waste. Please dispose or recycle this product and the battery inside according to the local rules and regulations.

BATTERY INFORMATION

This product has a built-in, non-removable lithium iron phosphate battery (LiFePO₄ battery). Do not attempt to remove the battery, as this may damage the device. The battery can be charged and discharged more than 3000 times.

★★★★ Products Warranty Policy ★★★★★

Warranty period	Full warranty for 24 months from date of purchase		
Order number		Product name	
Purchase date		Country	
ELECAENTA customer support: support@caenta.com.			

★ Premium Extended Warranty Plan: 24-month warranty →36-month warranty ★

To participate in the Extended Warranty Program, simply email your Order Number to ELECAENTA Customer Support for product registration. You will have the opportunity to upgrade the 2 year warranty to 3 years for free!

★ In Warranty Information and Principles

1. This warranty card needs to be kept and required to present when claiming warranty.
2. In box accessories such as User Guide and Warranty Information booklet are not covered under warranty.
3. ELECAENTA product purchased from outside of Amazon are not covered under warranty. ELECAENTA can assist with technical support and inquiries by email from ELECAENTA Customer Support Team.

★ Non-Eligible Warranty Criteria (Out-of-Warranty)

All device assessed to have physical damage or related cause will not be covered under warranty.

- 1.Returns due to personal subjectivity.
- 2.Out of Warranty (passed 24 o 36 months warranty).
- 3.Failed to provide Proof of Purchase or Warrant Card and assessed to be outside of warranty criteria.
- 4.Device wear and tear by nature. This includes LCD display, cover, physical buttons, etc.
- 5.Product disassembled, modified or repaired by unauthorized ELECAENTA repairer.
- 6.Damage or malfunction caused by irresistible external factors (earthquake, fire, lightning, flood, transport accident, abnormal electric current, war, etc.).
- 7.Failure to use and maintain the product according to the instructions that lead to damage or malfunction, such as use under extreme temperatures, dropping device, force pressure, use of non-ELECAENTA accessories, etc.



Made in China