Motio HyperBoost Flow 1500A™

Accessories

User manual

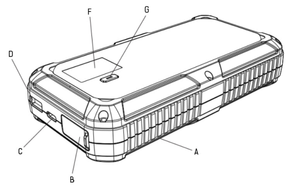
EN

Instruction Manual for Motio HyperBoost Flow 1500A™

Model: 3MK-JS2W1 | Jump starter | Flashlight | Powerbank

1. Introduction and Technical Specification

A compact jump starter designed for emergency engine starting (Petrol up to 5L, Diesel up to 3L) and charging mobile devices.



A — LED Flashlight
B — Emergency Start Socket
C — 5V2A Input Port
D — 5V2.4A Output Port
F — Display
G — Switch
Model Name: 3mk Motio HyperBoost Flow 1500A™

Model Number: 3MK-JS2W1
Parameter/Value:
Battery Capacity: 10,000 mAh (37 Wh)
Starting Current: 800 A
Peak Current: 1500 A
USB-C Input: 5V / 2A
USB Outputs: 5V / 2.4A (Total max 2.4A)
Working Temperature: -20°C to +60°C
Charging Time: Approx. 4-5 hours
Size: 168 x 85 x 35 mm
Regulation (EU) 2023/1542 regarding batteries
3mk Protection Sp. z o.o.
Krotoszyńska 35, B-02/4a
63-400 Ostrów Wielkopolski
VAT ID PL 6222833086
3mk@3mk.pl
Poland
Battery Category and Identifier (Art. 38(6)):
General purpose portable battery

Model: 3mk Motio HyperBoost Flow 1500A

(Cell Model: 506888)
Location of Cell Production:
230000 Hefei, China
Battery Production Date: 042026

Weight: Approx. 256 g (cell) / Approx. 600-800 g (entire device)
Capacity: 10,000 mAh / 37 Wh (4S configuration: 14.8V 2500mAh)
Chemistry: Li-ion (lithium cobalt oxide / graphite)
Hazardous Substances: None (compliant with battery directive limits)
Extinguishing Agent: Water, water mist, or D-class fire extinguisher
Critical Raw Materials (>0.1% m/m): Lithium, cobalt, natural graphite, copper, aluminium

2. Safety Guidelines

- **Battery Protection:** Do not use the device for starting if the charge level on the LCD display is below 25%.
- **Order of Operations:** Always connect the clamps to the battery first, then plug into the device.
- **Restrictions:** Do not attempt to start the engine more than 3 times in a row. If the vehicle does not start, wait 2 minutes.
- **Storage:** With the included case, the device is protected from low temperatures; however, it is recommended to store it in a dry place.

3. Operating the Device

3.1. Jump Starting Assistance

1. Insert the plug of the **smart cables** into the socket under the protective flap.
2. Connect the **red clamp** to the positive (+) terminal of the battery.
3. Connect the **black clamp** to the negative (-) terminal of the battery.
4. **Smart Protection:** If the light on the cables is green – you can start. If it flashes red or beeps – check the connection (reverse polarity protection).
5. Start the engine.
6. After starting, disconnect the plug from the device within 30 seconds, and then remove the clamps from the battery.

3.2. Powerbank Function

1. Connect the USB cable to one of the two output ports.
2. Press the power button briefly to start charging.
3. The LCD display will show the percentage charge level of your Jump Starter.

3.3. LED Flashlight

1. Press and hold the power button for 3 seconds to turn on the flashlight.
2. Short presses toggle modes:
   a. **Constant:** Standard lighting.
   b. **Strobe:** Rapid flashing for warning.
   c. **SOS:** Emergency signal in Morse code.
3. Hold again to turn off.

4. Maintenance and Storage

- **Charging Cycle:** To maintain cell life, charge the device fully every 3 to 6 months, even if not used.
- **Protective Case:** Always store the kit in the dedicated case. It protects the electronics from moisture and drastic temperature changes.
- **Cleaning:** Wipe with a dry cloth. Do not allow dirt to contaminate the contacts in the starting socket.

5. Compliance and Disposal (EU Requirements)

Declaration of Conformity

The product meets the requirements of the following standards and directives:

- **LVD (Safety):** EN IEC 62368-1.
- **Batteries:** EN 62133-2 (safety of lithium cells) and UN 38.3 (transport safety).
- **EMC:** EN 55032 / EN 55035.
- **RoHS & REACH:** Product free from hazardous chemicals.

EU Declaration of Compliance

The product meets the essential requirements set out in the European Union directives and regulations, as confirmed by relevant tests and certifications:

- **Safety (LVD):** Compliant with EN IEC 62368-1:2024/A11:2024 (safety of information technology devices).
- **Electromagnetic Compatibility (EMC):** Compliant with EN 55032:2015 and EN 55035:2017, ensuring no interference with the operation of other electronic devices.
- **Restriction of Hazardous Substances (RoHS):** Product free from harmful substances according to the IEC 62321 series of standards.
- **Environmental and Health Protection:** Product meets the requirements of the REACH and POPs regulations.

5.2. Battery and Accumulator Management

In accordance with Regulation (EU) 2023/1542:

- The device is equipped with lithium polymer cells, compliant with **EN 62133-2:2017 safety standard.**
- Product certified in accordance with **UN 38.3 transport standard.**
- **WARNING:** Lithium batteries are hazardous waste. Do not dispose of the device in the regular municipal waste container. Used cells must be returned to a specialized collection point.

5.3. Disposal of Electrical Equipment (WEEE)

The crossed-out wheeled bin symbol indicates that the product should not be treated as municipal waste.

- In accordance with Directive **2012/19/EU**, users are obligated to return used equipment to a designated collection point for proper recycling.
- Proper disposal helps avoid negative impacts on the natural environment and human health.
- Further information about the nearest collection point can be obtained from local authorities or from the equipment seller.

Warranty

Improper use or incorrect placement of this product by users may result in reduced lifespan or damage, and any resultant damage is not covered by the warranty or the manufacturer's liability. The warranty covers factory defects and material faults. The manufacturer's warranty is 24 months.

Designed in Poland by:
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63-400 Ostrów Wielkopolski
VAT ID PL 6222833086
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Manufactured in China.