	
USER MANUAL	MB62510
M-SERIES ELECTRIC OUTBOARD MOTORS	

Momentum MB-6 user manual

This manual describes the installation and operation of the Momentum MB-6 Battery for use with the Momentum M-6 and M-10 electric outboard motors.

Please read this manual comprehensively as it contains crucial information on set-up, operation, maintenance and safety. By using this Momentum product, it is deemed that you have read and understood the contents of this user guide and Momentum accepts no liability in the event of misuse of this product.

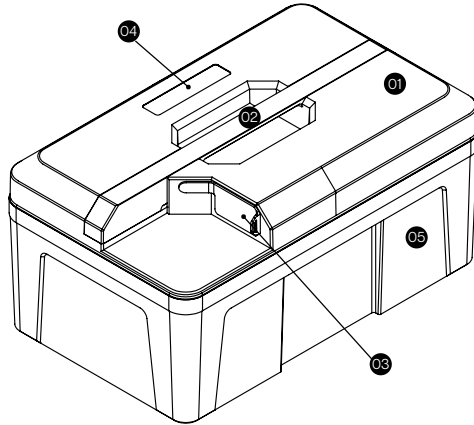
We reserve the right to update this user guide in-line with any evolution of this product.

Please visit our website for the latest version of this user guide.



www.momentumelectricmarine.com

ANATOMY



- 01** Battery Top Cover
- 02** Battery Handle
- 03** Battery Connector with Weather Cap
- 04** Battery Display and Power Switch
- 05** Battery Lower Box

SPECIFICATIONS

NOMINAL VOLTAGE	72V
MAXIMUM VOLTAGE	84V
MINIMUM VOLTAGE	60V
CAPACITY	90Ah / 6480Wh
MAX. CHARGING CURRENT	45A
MAX. CONT. DISCHARGING CURRENT	200A
STORAGE TEMPERATURE	-10°C to 25°C
STORAGE BATTERY LEVEL	100%
IP RATING	IP67
BATTERY DIMENSIONS	(CM) 47 x 23 x 29
WEIGHT	37KG

DECLARATION OF CONFORMITY

Product: MB-6 Battery

Model: MB-6

The objects of the declaration are in conformity with the following directives and harmonised standards:

- EN IEC 55014-1:2021
- EN IEC 55014-2:2021
- EN IEC 61000-3-2: 2019+A2:2024
- EN IEC 61000-3-3: 2013+A2:2021+AC:2022-01
- EN IEC 62368-1

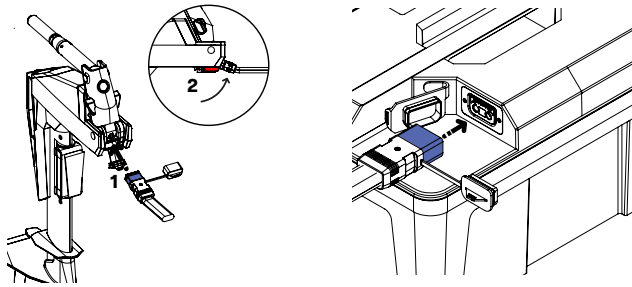
FCC statement

This device complies with the CFR Title 47 Part 15 Subpart B:2020 of the FCC rules

IMPORTANT SAFETY NOTICE

- Read this manual before use.
- Check that the connectors are fully inserted and the battery is in good condition.
- Battery would not be fully charged for shipping purpose. Please fully charge the battery before first use.
- Do not disassemble the battery.
- Store battery in a cool, dry environment.
- Do not use when a fault appears.

INSTALLATION & OPERATION

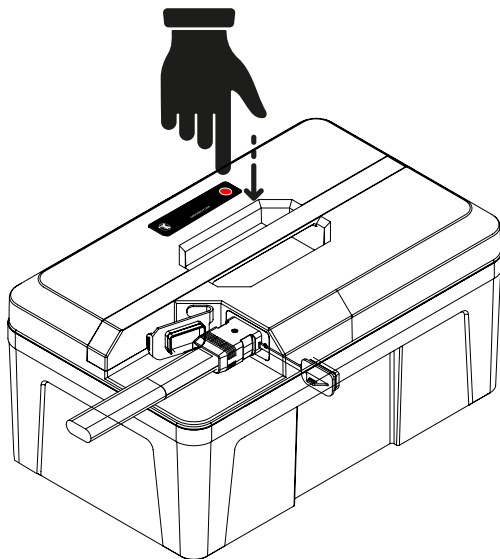


1 CONNECT OBM FIRST **2 CONNECT BATTERY AFTER**



ENSURE THAT CONNECTORS ARE FULLY INSERTED

Dia. 1.1



Dia. 1.2

Using the battery

Place battery in a covered area of the boat. Do not expose battery to continuous sunlight or immerse in water.

- 1.1. The MB-6 is equipped with a combined power and data connector.
- 1.2. Connect the power cable to the outboard first then connect the battery. (Dia 1.1)
- 1.3. Check that the connectors are firmly inserted and are not loose.
- 1.4. Press the on/off button for 5s to turn on the battery. (Dia 1.2)
- 1.5. If proper connection is established, the display on the outboard will be on and a battery state of charge display will be shown.

After using the battery

- 2.1. Press the on/off button for 8s to turn off the battery. The battery state of charge indicator will turn off.
- 2.2. Disconnect the power cable from the battery and fit on the weather cap.
- 2.3. Disconnect the power cable from the outboard and fit on the weather cap.

If the battery is wet, use a dry cloth to wipe the exterior of the battery - **DO NOT SPRAY WATER INTO THE CONNECTOR.**

Charging the battery

- 3.1. Use only the supplied charger to charge the battery.
- 3.2. Make sure the AC supply to the charger is turned off before connecting the charger to the battery.
- 3.3. Charge the battery in a cool, dry environment.
- 3.4. Keep the battery away from water and direct sunlight during charging.

Storage instructions

- 4.1. Cover the connector with the connector cover.
- 4.2. For long term storage of >3 months, fully charge the battery and check battery level every 3 months. Charge the battery as required.

TROUBLESHOOTING



OPERATING FAULT TABLE

Warning/Fault Symbol	Likely Cause	Solution
■	Battery over temperature	Battery has overheated. Please stop operation and allow battery to cool down.
▲	Battery under temperature	Battery temperature too low. Warm up battery before use.
●	Cell fault	Please consult your dealer and do not use the battery.
⬡	Discharge current exceeded	The discharge current has been exceeded. Please consult your dealer.
▼	Charge current exceeded	The charging current has been exceeded. Please use only the supplied charger.

