

## Haswing MD1247/76

# Haswing ULTIMA 3HP Electric Outboard User Manual

Model: MD1247/76

## 1. INTRODUCTION

Thank you for choosing the Haswing ULTIMA 3HP Electric Outboard. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new electric outboard motor. Please read this manual thoroughly before using the product to ensure proper function and longevity.

The Haswing ULTIMA 3HP Electric Outboard is designed for reliable and quiet propulsion, featuring an integrated lithium battery and a powerful brushless motor. Its compact and foldable design makes it ideal for various boating applications.

## 2. SAFETY INFORMATION

Always prioritize safety when operating any marine equipment. Failure to follow these instructions may result in injury or damage to the product.

- Read and understand all instructions before operation.
- Ensure the motor is securely mounted to the transom before starting.
- Always wear a personal flotation device (PFD) when on the water.
- Keep hands, feet, and clothing clear of the propeller when the motor is in operation.
- Do not operate the motor if the propeller is damaged.
- Disconnect the battery before performing any maintenance or inspection.
- Avoid submerging the motor head or battery compartment in water.
- Store the battery in a cool, dry place away from direct sunlight and extreme temperatures.
- Use only the provided charger for the integrated lithium battery.

## 3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Haswing ULTIMA 3HP Electric Outboard Motor with integrated battery
- Mains Battery Charger
- User Manual (this document)



Figure 3.1: Haswing ULTIMA 3HP Electric Outboard Motor. This image shows the complete outboard unit, including the motor, shaft, propeller, and the integrated battery housing at the top.



Figure 3.2: Mains Battery Charger. This image displays the compact black battery charger with its power cord and charging connector.

## 4. SETUP

### 4.1 Charging the Battery

The integrated 1030 Watt-hour lithium battery should be fully charged before first use. The battery is removable for convenient charging.

1. Remove the battery from the motor unit by unlatching the securing mechanism.
2. Connect the provided mains charger to the battery's charging port.
3. Plug the charger into a standard wall outlet.
4. Monitor the charging indicator lights on the battery or charger (refer to battery display for charge status).
5. Once fully charged, disconnect the charger from the battery and the wall outlet.





Figure 4.1: Integrated Lithium Battery. This image shows a close-up of the silver-colored integrated battery pack, highlighting its sleek design and top handle.

## 4.2 Mounting the Outboard

The ULTIMA 3HP Electric Outboard is designed for transom mounting.

1. Ensure the boat's transom is clean and free of obstructions.
2. Place the motor's mounting clamps over the transom.
3. Tighten the clamping screws firmly and evenly until the motor is securely attached and does not wobble.
4. Adjust the motor's depth and angle as needed for optimal performance. The 76cm long shaft provides flexibility for various transom heights.



Figure 4.2: Outboard Mounted on Transom. This image shows the Haswing ULTIMA outboard motor securely mounted on the stern of a boat, with a close-up inset of the digital display on the motor head.

## 5. OPERATING INSTRUCTIONS

### 5.1 Powering On/Off

To power on the motor, ensure the battery is correctly inserted and secured. The digital display on the motor head will illuminate, showing battery status and power level.



Figure 5.1: Control Handle and Display. This image provides a top-down view of the motor's control handle, clearly showing the integrated digital display with battery and power indicators.

### 5.2 Speed Control

The ULTIMA 3HP features stepless speed control for precise maneuverability. Rotate the telescopic handle to adjust the speed. Forward and reverse directions are controlled by the handle's rotation.

- Rotate the handle clockwise for forward thrust.
- Rotate the handle counter-clockwise for reverse thrust.
- The further the handle is rotated, the higher the speed.

The Digimax controller and brushless motor optimize power delivery, maximizing running time and battery efficiency.

### 5.3 Steering

Steer the boat by rotating the entire motor unit using the tiller handle. The motor can be rotated 360 degrees for full directional control.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Haswing ULTIMA outboard motor.

- **After Each Use:**

- Rinse the motor shaft and propeller with fresh water, especially after use in saltwater, to prevent corrosion.
- Inspect the propeller for any fishing line, debris, or damage. Remove any obstructions carefully.
- Wipe down the motor head and battery compartment with a damp cloth. Ensure all connections are dry before storage.

- **Battery Care:**

- Store the battery in a cool, dry place. Avoid extreme temperatures.
- For long-term storage, charge the battery to approximately 50-60% capacity. Do not store fully discharged or fully charged for extended periods.
- Recharge the battery every 3-6 months during long-term storage to maintain its health.

- **Propeller Replacement:**

If the propeller is damaged, it should be replaced. Refer to the propeller replacement instructions (not detailed in this manual, consult Haswing support for specific steps).

## 7. TROUBLESHOOTING

This section addresses common issues you might encounter with your ULTIMA 3HP Electric Outboard.

Problem	Possible Cause	Solution
Motor does not start or has no power.	<ul style="list-style-type: none"><li>• Battery is discharged.</li><li>• Battery not properly seated.</li><li>• Loose electrical connection.</li></ul>	<ul style="list-style-type: none"><li>• Charge the battery fully.</li><li>• Ensure battery is securely inserted and latched.</li><li>• Check all visible connections for tightness.</li></ul>

Problem	Possible Cause	Solution
Reduced thrust or unusual noise.	<ul style="list-style-type: none"> <li>Propeller fouled with debris (fishing line, weeds).</li> <li>Damaged propeller.</li> <li>Low battery charge.</li> </ul>	<ul style="list-style-type: none"> <li><i>With motor off and battery disconnected</i>, clear propeller of debris.</li> <li>Replace damaged propeller.</li> <li>Recharge battery.</li> </ul>
Motor stops unexpectedly.	<ul style="list-style-type: none"> <li>Battery protection mode activated (over-discharge, overheat).</li> <li>Battery fully discharged.</li> </ul>	<ul style="list-style-type: none"> <li>Allow motor and battery to cool down.</li> <li>Recharge battery.</li> </ul>

If the problem persists after attempting these solutions, please contact Haswing customer support.

## 8. SPECIFICATIONS

Feature	Detail
Model	MD1247/76
Power	3 HP (equivalent to 4 HP petrol outboard)
Battery Type	Integrated Lithium Battery
Battery Capacity	1030 Watt-hour
Voltage	12 Volts
Shaft Length	76 cm
Motor Type	Brushless
Controller	Digimax
Weight (with battery)	16 kg
Material	Aluminium
Color	Black
Speed Control	Stepless
Handle	Extendable telescopic, foldable

## 9. WARRANTY AND SUPPORT

The Haswing ULTIMA 3HP Electric Outboard comes with a 2-year warranty from the date of purchase. This warranty covers manufacturing defects and material faults under normal use conditions.

For warranty claims, technical support, or spare parts, please contact Haswing Motors UK or your authorized dealer.

Please have your model number (MD1247/76) and proof of purchase ready when contacting support.

For further assistance, visit the official Haswing website or contact their customer service department.

