

# Battery Isolator 96VDC 200A/300A User Manual



2026.01 Version 1.0

Copyright © ePropulsion Technology Limited



# THANK YOU

---

Thank you for purchasing a product from ePropulsion, the world leaders in clean, safe, and reliable electric marine propulsion systems and energy solutions. We are confident that you will be satisfied with your new device and welcome your feedback at [www.epropulsion.com](http://www.epropulsion.com)

## Conditions of Use

---

Before using this product, please read this user manual carefully to ensure you understand how to operate it correctly and safely. Do not use the electric energy product until you comprehend its operation. By using this product, you confirm that you have fully read, understood, and agreed to all contents of this manual. Avoid lending the product to anyone unfamiliar with its use.

ePropulsion is not liable for any economic loss or personal injury resulting from non-compliance with the instructions provided in this manual.

Please be aware that ePropulsion continually optimizes its products and reserves the right to update this manual at any time. For the latest version, visit [www.epropulsion.com](http://www.epropulsion.com). If you notice any discrepancies between your product and this manual or have questions, please check the website or contact us. ePropulsion reserves the rights of final interpretation of this manual.

This manual is available in multiple languages; in case of discrepancies, the English version will take precedence. ePropulsion also holds all relevant intellectual property and industrial rights, including copyrights, patents, trademarks, and designs.

## Safety Warning

---

ePropulsion prioritizes safety and aims to minimize risks to individuals and property. We recommend that anyone who comes into close contact with our products exercise caution, use common sense, follow the instructions in this manual, and pay special attention to the safety information provided both in the manual and on product labels. This includes individuals involved in the installation, operation, maintenance, and servicing of the product. The following information symbols are included in the user manual and/or on labels attached to the product:

### **Danger or Warning Signs:**

These signs indicate potential hazards or serious risks that, if not addressed, could lead to death or severe personal injury. Please exercise extra caution and attentiveness to ensure your safety and the safety of the product.



#### Important warning:

Key tips or essential information that can help you quickly understand how to use the energy device and enhance efficiency. Please read and adhere to the instructions accompanying the safety warning signs.



#### Caution:

When installing, operating, maintaining, or servicing ePropulsion products, there are several safety risks. It is essential to stay alert, carry out relevant tasks sensibly, and prioritize safety.



#### Electric shock hazard:

These areas or components may present a risk of electric shock. The equipment operates on 102.4V DC power. When accessing or opening electrical connectors, switches, cables, and other electricity-related components, ensure that the power is turned off to prevent electric shock.



#### Burn hazard:

Some parts of the device become very hot during operation and may remain hot even after it is turned off. Keep hands and other body parts away from these areas.

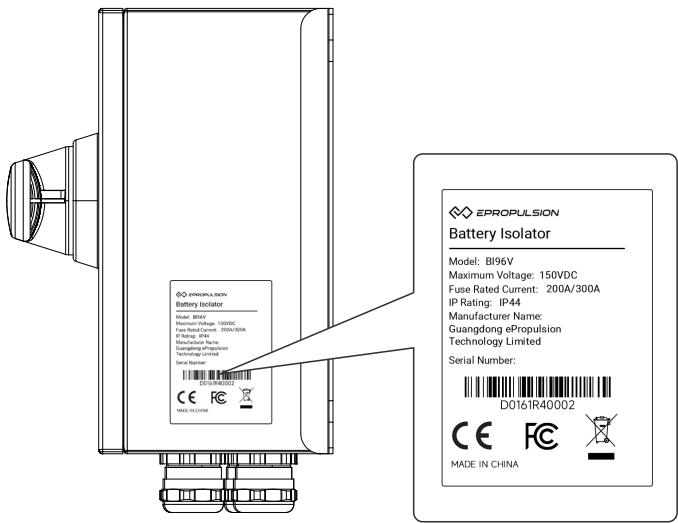


#### Do not connect or disconnect while the device is running:

These parts may pose a risk of electric shock if connected to or disconnected from the power supply during operation.

# Product Serial Number

The serial number is located as shown below. Please take note of it and keep it in a safe place, as it may be required when purchasing accessories or if you need service or warranty.



# Table of Contents ---

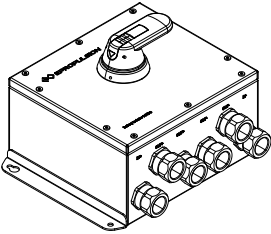


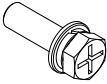


<b>THANK YOU .....</b>	<b>1</b>
<b>Conditions of Use .....</b>	<b>1</b>
<b>Safety Warning .....</b>	<b>1</b>
<b>Product Serial Number .....</b>	<b>3</b>
<b>1 Product Introduction .....</b>	<b>6</b>
1.1 In the Package.....	6
1.2 Specification.....	7
1.3 Function .....	8
1.4 Declaration of Conformity .....	9
<b>2 Installation&amp;Product Wiring .....</b>	<b>10</b>
2.1 Tool Preparation.....	10
2.2 Battery Isolator Installation .....	10
2.3 Wiring Instructions.....	12
2.3.1 Wiring Harness Preparation .....	12
2.3.2 Interface Diagram.....	13
2.3.3 System Wiring Instructions.....	14
2.3.4 Fuse Selection .....	14
2.3.5 Wiring .....	15
<b>3 Limited Warranty .....</b>	<b>17</b>
3.1 Introduction .....	17
3.2 Limited Warranty .....	17
3.2.1 Overview.....	17
3.2.2 Product Registration .....	18
3.2.3 Important Limitations.....	20
3.2.4 Warranty Periods .....	20
3.2.5 Non-commercial Use.....	22
3.2.6 Commercial Use.....	22
3.2.7 Warranty Procedures.....	22
3.2.8 Excluded from the Limited Warranty .....	24
3.3 Miscellaneous .....	25



# 1 Product Overview

This product is designed for isolating and protecting main circuits, equipped with a manual disconnect switch and fuses. The disconnect switch can interrupt a load current of 300A to fully disconnect the battery from the rest of the system. The input line includes a double pole fuse that can be configured with 200A or 300A selections of DC fast-acting fuses (contact ePropulsion for custom specifications). With a compact design, high current capacity, and easy installation, it is ideal for space-constrained applications that require robust circuit protection.

## 1.1 In the Package

Item	Qty.	Figure
Battery Isolator 96VDC 200A/300A	1	
User Manual	1	/
Fuse 200A	2	
Fuse 300A	2	
Phillips-Socket Hex Head Tri-Combination Screw SUS304 M6x20	6	
Flat Washer SUS304 M6x12	6	
Hex Nut M6	10	



Item	Qty.	Figure
Double-stacked Self locking Washer M8	8	
Cable lug SC50-8	10	
Hex Socket Head Cap Screw M8X14	1	
Heat Shrink Tubing (Red) 0.4m	1	/
Heat Shrink Tubing (Black) 0.4m	1	/

## 1.2 Specification

Content	Parameters
Rated Voltage	150VDC
Fuse Rated Current	200A / 300A
Rated Short-Time Withstand Current	15kA
Dimensions	284*244*170mm
Weight	5.2kg
Protection Rating	IP44
Certifications	CE、FCC

# 1.3 Function

- 1.Short-Circuit Protection: Built-in fuse provides short-circuit protection.
- 2.Isolation Function: During equipment maintenance, turning the handle disconnects the main circuit (operation only possible after main circuit current ceases).

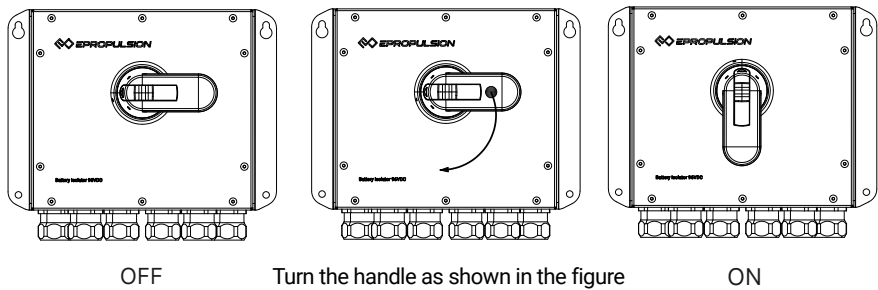


Figure 1-1

- 3.Lockable in Off State: As shown below, the red limit latch can only be pushed toward the palm to lock when in the OFF position.

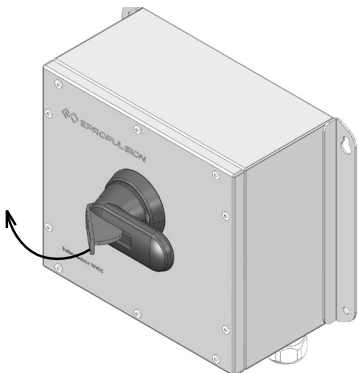


Figure 1-2

# 1.4 Declaration of Conformity

We Guangdong ePropulsion Technology Limited, hereby, declares that this equipment is compliance with the applicable Directives and European Norms, and amendments.

**Object of the Declaration:**

Product: Battery Isolator

Model: BI96V

**The object of the declaration is in conformity with the following directives:**

Electromagnetic Compatibility (EMC) Directive 2014/30/EU

Restriction of Hazardous Substances Directive 2011/65/EU and Delegated Directive (EU) 2015/863

Regulation on General Product Safety 2023/988

EC REACH Regulation (EC 1907/2006)

Low Voltage Directive 2014/35/EU



**Applied Standards:**

EN IEC 61000-6-2:2019

EN IEC 61000-6-3:2021

EN IEC 60947-3

ISO 16315:2016

**FCC Compliance Statement:**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

**Manufacturer**

Name: Guangdong ePropulsion Technology Limited

Address: Room 801, Building 1, 11 Daxue Road, Songshan Lake, Dongguan, Guangdong Province, China

**Signature:**

A handwritten signature in black ink, appearing to read '陶师正' (Tao Shizheng), written over a light blue horizontal line.

**Date:** 2025.1.5

Shizheng Tao, Chief Executive Officer & Cofounder of  
Guangdong ePropulsion Technology Limited

## 2 Installation&Product Wiring

### 2.1 Tool Preparation

Customers must provide standard tools and consumables for installation. Refer to the following checklist:

Tool & Model	Specifications	Qty.	Purpose	Tightening
Torque Wrench	Torque range: 0~24N·m	1	Control the screw torque during installation	/
2.5mm Hex Bit	2.5mm, fits M4 flat head screws	1	Secure the panels	1.5 - 2
PH2 Phillips Screwdriver Bit or Screwdriver	PH2	1	Secure the battery isolator	12 - 13
6mm Hex Bit	6mm, fits M8 hex socket head cap screws	1	Secure fuse and cable lug	12 - 13
10mm Hex Socket	10mm, fits M6 hex bolts	1	Secure battery isolator	6 - 6.5
5mm Hex bit	5mm, fits M6 hex socket head cap screws	1	Secure Grounding line	6-6.5
34mm Open end wrench	34mm	1	Secure gland	12-14
Thread Sealant	Loctite 243	/	For thread locking, apply to threads before tightening	/
Wire Cutter	/	1	Cut the 50mm <sup>2</sup> cable	/
Crimping Pliers	/	1	Crimp SC50-8 cable lug	/
Utility knife	/	1	Strip the insulation of the 50mm <sup>2</sup> cable	/
Scissors	/	1	Cut the copper wires of the shielding layer of a 50mm <sup>2</sup> cable	/

### 2.2 Battery Isolator Installation



Requirements:

The product must be mounted on a vertical wall plane with adequate structural strength to support the unit (weight: 5.2 kg). Ensure to reserve 20 cm of cable bending space below the product.



Protection Rating:

IP44. Install in a dry, clean compartment with a moderate risk of water splashes.

### Installation Steps:

1. Drill 4x $\phi 7$  holes in the wall according to the dimensions shown in the diagram.

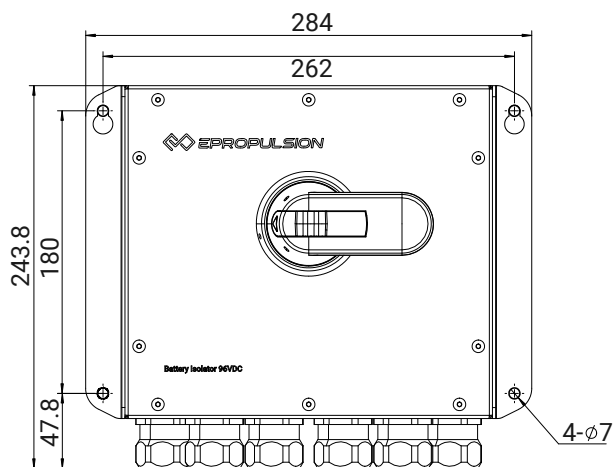


Figure 2-1

2. Remove the battery isolator, 4pcs phillips-socket hex head tri-combination screws, 4pcs flat washers, and 4pcs hex lock nuts from the packaging.

3. Apply Loctite 243 thread sealant to the two provided countersunk Phillips screws. Insert them through the top two holes drilled in step 1, then through the flat washers. Screw them into the M6 hex locknuts on the opposite wall until nearly tightened (leaving 2-5mm of thread engagement).

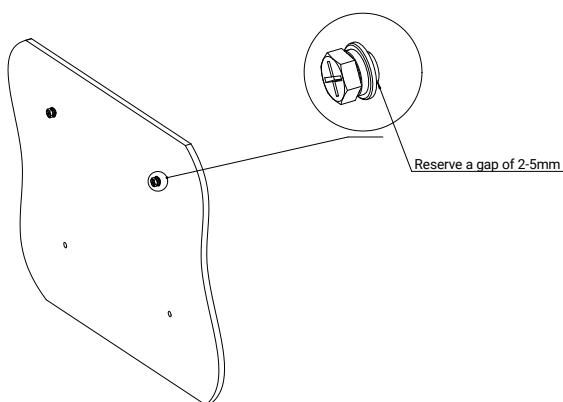


Figure 2-2

4. Pass the battery isolator through the 12.5mm hole shown in the diagram, using the phillips-socket hex head tri-combination screw head to mount the battery isolator on the wall.

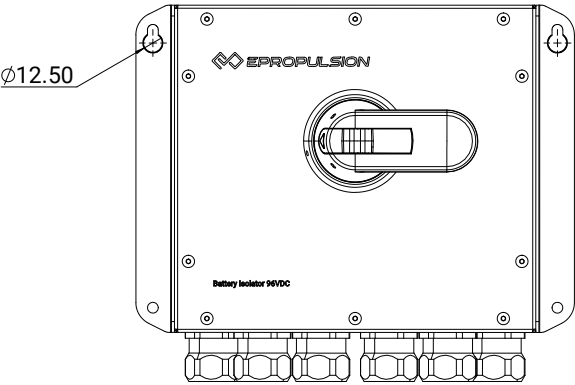


Figure 2-3

5. Apply Loctite 243 to the remaining two screws. Thread them through the lower two holes and flat washers, then tighten against the M6 nuts. Secure all screws using a 10mm socket wrench to a torque of 6.0-6.5 N·m.

## 2.3 Wiring Instructions

### 2.3.1 Wiring Harness Preparation

1. Based on the layout of onboard equipment, use a wire cutter to trim the supplied 50mm<sup>2</sup> wiring harness or the 50mm<sup>2</sup> harness included with the propeller into lengths sufficient for connecting each device. Using a utility knife or wire stripper, strip the outer sheath and metal shielding layer by 30±5mm. Strip the inner sheath layer by 18±3mm. Ensure the remaining silver-colored metal shielding layer is less than 1mm in length. Contact between the metal shielding layer and the wire core or cable lugs will cause insulation failure, rendering the system inoperable.

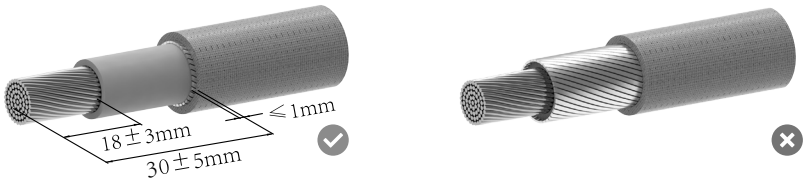


Figure 2-4

2. Take out the SC50-8 cable lugs from the accessories, insert it onto the stripped copper wire core, and crimp the cable lugs using your own crimping equipment. After crimping, remove any burrs and measure the dimension between the opposite sides without burrs. This dimension should not exceed 10.7mm, otherwise, perform a secondary crimp. Poor crimping causes contact failure and may severely damage circuits.



Figure 2-5

3. Cut approximately 40mm of the included heat shrink tubing. Slide it over the crimped cable lugs end of the wire harness and shrink it using a heat gun.

### 2.3.2 Interface Diagram

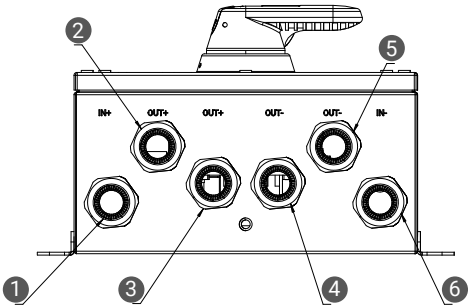


Figure 2-6

Interface Diagram:

- ① (corresponding to IN+): Positive power input port 1 (for 50mm<sup>2</sup> cable, outer diameter 13-18mm)
- ② (corresponding to OUT+): Positive power output port 2 (for 50mm<sup>2</sup> cable, outer diameter 13-18mm)
- ③ (corresponding to OUT+): Power cable positive output port 3 (for 50mm<sup>2</sup> cable, outer diameter 13-18mm)
- ④ (corresponding to OUT-): Power cable negative output port 4 (for 50mm<sup>2</sup> cable, outer diameter 13-18mm)
- ⑤ (corresponding to OUT-): Power cable negative output port 5 (for 50mm<sup>2</sup> cable, outer diameter 13-18mm)
- ⑥ (corresponding to IN-): Power cable negative input port 6 (for 50mm<sup>2</sup> cable, outer diameter 13-18mm)

### 2.3.3 System Wiring Instructions

For 20kW or 40kW Applications:

The battery isolator-related system connection diagram is shown below.

When using a 10kW or 20kW motor, only one battery isolator is required.

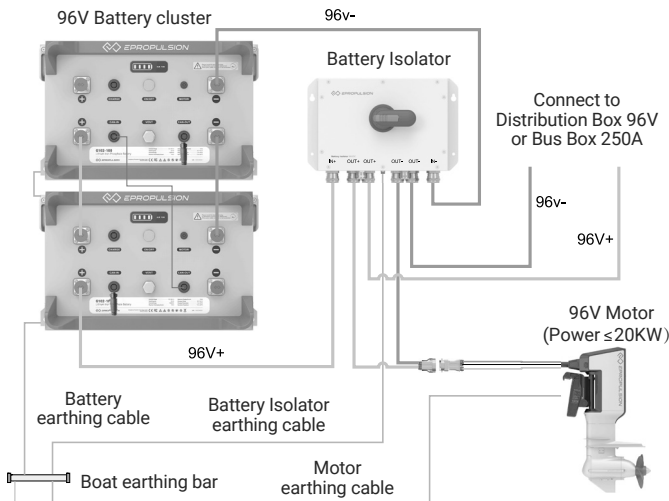


Figure 2-7

When using a 40kW motor, two battery isolators are required.

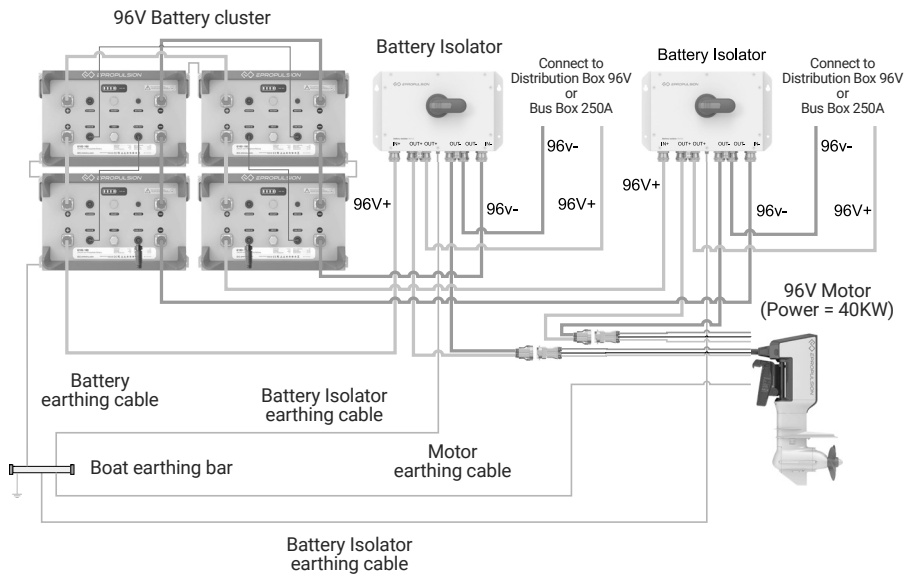


Figure 2-8



### 2.3.4 Fuse Selection

The battery isolator product packaging includes two 300A fuses and two 200A fuses.


The 300A fuses are suitable for 20kW and 40kW motors.

The 200A fuses are suitable for 10kW and 12kW motors.

If the propulsion system power is 20 kW or 40 kW, install two fuses rated at 300A into the battery isolator.

If the propulsion system power is 10 kW or 12 kW, install two fuses rated at 200A into the battery isolator.

Use a 6mm hex wrench to remove the two screws at the fuse mounting location. Place the fuse into the corresponding mounting position, then tighten the two screws on either side of the fuse to secure it. The screw near the input terminal can be left loose initially and tighten it after wiring.

-  Using a 300A fuse with a 10kW or 12kW motor may not provide adequate cable protection.  
Using a 200A fuse with a 20kW or 40kW motor will significantly shorten the fuse's lifespan.

### 2.3.5 Wiring

1. With the switch in the OFF position, use a 2.5mm hex wrench to remove the 10 M4 screws on the panel cover. After opening the cover, use a 10mm socket to remove the M6 nuts on the back of the panel, disconnecting the housing from the panel.

2. Remove the gland plug, loosen the gland nut until the prepared wiring harness from Section 2.3.1 can pass through, then insert the corresponding glands according to the interface diagram in Section 2.3.2.

3. Select appropriate fuses as per 2.3.4. Secure the corresponding fuse and cable terminals using a 6mm hex wrench bit, accessory M8\*14 hex socket screws, and M8 double-stack washers as shown below. Torque to 12-13 N·m.

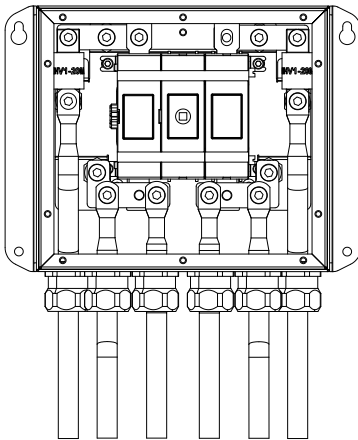


Figure 2-9

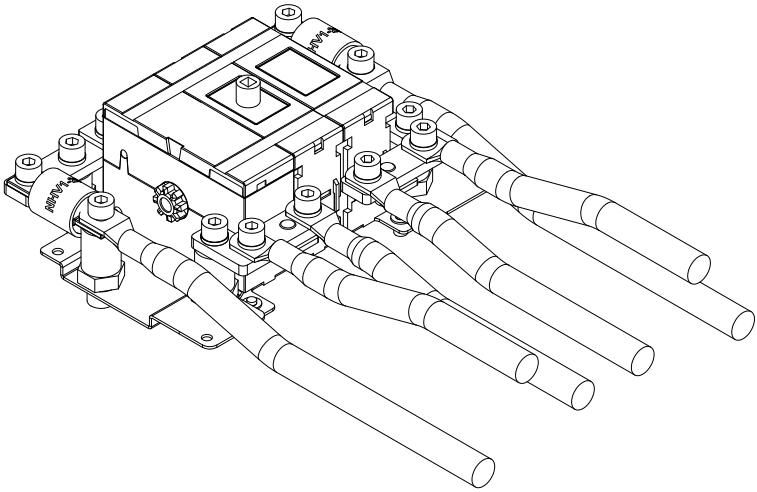


Figure 2-10

4. After tightening terminals, organize internal wiring harnesses smoothly. Sequentially tighten gland connectors with a 34mm open-end wrench to a torque of 12-14 N·m.
5. Reinsert the yellow-green ground wire disconnected in Step 1 onto the panel screw. Secure with an M6 nut to a torque of 6.0-6.5 N·m.
6. Replace the panel onto the housing (taking care not to pinch the ground wire). Secure it using the M4 screws removed in Step 1, applying Loctite 243, with a tightening torque of 1.5-2.0 N·m.
7. Loosen the indicated screw with a 5mm hex wrench, then press the system ground wire into the grounding busbar to complete module grounding. Torque to 6.0-6.5 N·m.

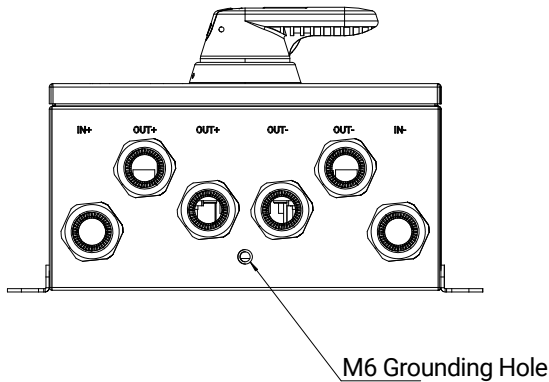


Figure 2-11

# 3 Limited Warranty

---

## 3.1 Introduction

Congratulations on the purchase of your new ePropulsion Product! We are happy to welcome you to the ePropulsion family! ePropulsion has been deeply involved in the field of marine new energy power for more than ten years, focusing on the research and development, manufacturing and sales of marine electric/hybrid propulsion systems and core components, and has full-chain system integration service capabilities and rich engineering design experience. The main business covers propulsion equipment with a power of 500 watts to 1000 kilowatts, supporting controllers, batteries, main motor remote control systems, energy management systems and smart ship solutions. It is committed to promote the upgrade of marine power systems to new energy and is an industry-leading leader worldwide in marine electric propulsion technology. ePropulsion wants you to enjoy your new ePropulsion product for many years to come and asks you to read and understand the manual before you operate the propulsion to ensure that you follow safe operating practices and maintenance procedures.

This manual should be considered a permanent part of the ePropulsion product and shall remain with it. For correct maintenance, repair and genuine parts, visit an ePropulsion authorized distributor/dealer. Your ePropulsion authorized distributor/dealer is always up to date regarding the latest news and technology and is able to answer all your questions concerning your ePropulsion product. You can locate your nearest ePropulsion authorized distributor/dealer by visiting the website of ePropulsion <https://www.epropulsion.com/contact/find-a-dealer>.

Before installing or using your ePropulsion product, please read and understand this manual and the applicable Operation Manual carefully. If you did not receive an **Operation Manual**, please download a copy from <https://www.epropulsion.com/service/download-center>.

## 3.2 Limited Warranty

### 3.2.1 Overview

Guangdong ePropulsion Technology Limited, Room 801, Building 1; 11 Daxue Road, Songshan Lake; CN Dongguan Guangdong Province ("ePropulsion"), provides this Limited Warranty manual to help you take full advantage of your electric propulsion product and its intelligent integrated system product for boats produced by ePropulsion ("ePropulsion Product").

ePropulsion warrants that at the time of shipping, new ePropulsion Products sold by

ePropulsion and/or its authorized distributors/dealers will be free from defects in material and workmanship during the limited warranty period specified in Section 3.2.4. A defect exists if the actual condition of the ePropulsion Product differs from the agreed condition or the published specifications.

This Limited Warranty is applicable in all countries and can be enforced in any country or region where ePropulsion or its authorized distributors/dealers provide ePropulsion Products subject to the terms and conditions set forth in this Limited Warranty. This Limited Warranty is subject to all applicable national export and import laws and regulations.

This Limited Warranty is subject to limitations referred to in Section 3.2.3 and 3.2.8.

ePropulsion warrants to the first purchaser who buys the ePropulsion Product to use it ("First Purchaser") that it will make the repairs or replacements necessary to correct defects for the limited warranty period specified in Section 3.2.4. If the ePropulsion Product is transferred to another purchaser during the limited warranty period, it is suggested that the second purchaser notify ePropulsion in text form (e.g. email to [service@epropulsion.com](mailto:service@epropulsion.com)) at the time the second purchaser takes possession of the ePropulsion Product.

Unless expressly stated otherwise in this Limited Warranty, all provisions herein apply exclusively to consumers using ePropulsion Products for recreational use unless otherwise stipulated in Section 3.2.4 (1) and 3.2.5. ePropulsion Products used for commercial or professional purposes (with the exception of light commercial use as defined in Section 3.2.4(2)) are not covered by this Limited Warranty; instead, the statutory warranty in your jurisdiction applies. We recommend consulting an ePropulsion authorized distributor/dealer to clarify the applicable warranty coverage before using the ePropulsion Product for such purposes.

This Limited Warranty does not affect any mandatory statutory rights you may have under the laws of the country in which you have your habitual residence, including any rights or claims you may have under your purchase contract with the ePropulsion authorized distributor/dealer from whom you purchased the ePropulsion Product. The assertion of these statutory rights in the event of defects is free of charge and is not restricted by this Limited Warranty.

### **3.2.2 Product Registration**

ePropulsion Products are Single Products, eSSA System Products and their accessories, as listed in the table below. This limited warranty period applies to all ePropulsion Products and their accessories.

Product Type	Specific Product Series
Single Products	eLite series, Spirit series, Navy series, Pod drive series, E batteries series, accessories
eSSA System Products	X series, P eSSA series, I series, G batteries series

In order to obtain your ePropulsion Product Limited Warranty and to receive quick support for service, parts and technical documentation, ePropulsion strongly recommends that you submit an online product registration via <https://www.epropulsion.com/service/product-registration> within (30) days after you have purchased the ePropulsion Product. The following information is required to register the ePropulsion Product:

- Product Model:
- Product Serial Number (SN):
- Purchase Date:
- Owner Information (Name, Address, Email/Phone):
- Boat Information (Model, Boat Type, Application, Propulsion Type):
- Dealer Information (Dealer Name, Contact Person, Email/Phone)

**The benefits of registering your ePropulsion Product include:**

- It confirms that you are the legal owner.
- warranty claims can be processed more quickly.
- if necessary, the ePropulsion Service Network can communicate directly with you.
- you have the option to sign up for ePropulsion latest news, keeping you up to date on new ePropulsion Products and features.
- other benefits that are published on the ePropulsion website, including but not limited to warranty extensions (please refer to the ePropulsion website for specific information).

Personal data shall be collected, processed and used by ePropulsion exclusively for the purpose of performing and managing this Warranty Policy, including but not limited to verifying your eligibility for warranty coverage, processing warranty claims (e.g., repair, replacement or maintenance requests for the warranted product), communicating warranty-related information (such as notifications of warranty status, product safety updates or progress of warranty service), and fulfilling other obligations under this Limited Warranty. For detailed information on ePropulsion's personal data protection please refer to ePropulsion's Privacy Policy at <https://www.epropulsion.com/privacy-policy/>.

### 3.2.3 Important Limitations

This Limited Warranty applies only to ePropulsion Products manufactured by ePropulsion and sold by ePropulsion or its authorized distributors/dealers. It only applies if the ePropulsion Product is installed and commissioned in accordance with the respective ePropulsion Product installation and operation guidelines contained in the user manual and used and maintained in accordance with the respective ePropulsion user manual. **For eSSA System Products, installation and commissioning must be performed by an ePropulsion authorized distributor/dealer.**

If a defect arises within the limited warranty period, ePropulsion may, at its discretion, choose to repair or replace the ePropulsion Product or part. ePropulsion will undertake the repair or replacement without charge for parts or repair labour. Repair labour includes the cost of labour to remove and reinstall the ePropulsion Product and, if necessary to complete the warranty service, to replace the non-ePropulsion Product components of the vessel in which the ePropulsion Product is installed.

Please note that ePropulsion Products are sophisticated and complex machinery that may be affected by many variables associated with their application. As such repairs may require multiple attempts and may take significant time (up to three (3) months) from the date on which ePropulsion or its authorized distributor/dealer confirms receipt of the defective ePropulsion Product. The repairing time shall delete the duration of waiting time includes waiting time because of customer's delay, statutory/public holidays and force majeure.

After the limited warranty period has expired, you can still enjoy maintenance services from ePropulsion authorized distributors/dealers. In this case, service and accessories fees apply. These fees are based on the rates quoted by the ePropulsion authorized distributor/dealer.

### 3.2.4 Warranty Periods

The limited warranty period begins on the date of receipt of the ePropulsion Product by the First Purchaser. For the **eSSA System Products**, the limited warranty period **begins on the date of commissioning** the ePropulsion Product approved by ePropulsion.

The warranty periods for ePropulsion Products vary significantly based on the nature of their use, namely commercial use and non-commercial use (which encompasses recreational use and light commercial use).

#### (1) Warranty Periods for Recreational Use

"Recreational use" means the use of the ePropulsion Product for personal leisure, entertainment, or hobby-related activities, without any intent to generate income or profit. This use is limited to the user, their family, or a small group of non-paying friends. For example:

1. using an ePropulsion-equipped boat for a weekend fishing trip with family members, provided that no one is engaged in fishing for commercial sale;
2. participating as a hobbyist in a local, non-competitive boating event, using an ePropulsion Product to power the boat.
  - **Single Products:** Twenty-four (24) months or 1000 hours (whichever comes first) from the date of receipt of the ePropulsion Product by the First Purchaser, or the limited warranty period you obtained when you registered your ePropulsion Product, whichever is longer.
  - **eSSA Products:** Twenty-four (24) months or 1000 hours (whichever comes first) from the date of sea-trial delivery and commissioning. The limited warranty period shall not exceed twenty-six (26) months or 1015 hours (whichever comes first) from the date the First Purchaser receives the ePropulsion eSSA System Product.

## **(2) Warranty Periods for Light Commercial Use**

"Light commercial use" means the use of the ePropulsion Product in activities that are non-profit driven, public welfare oriented, or to support of community-focused initiatives. Such use is usually carried out by non-commercial organizations and may serve public interest, educational or research purposes.

- **Single Products:** Twenty-four (24) months or 1000 hours (whichever comes first) from the date of receipt of the ePropulsion Product by the First Purchaser, or the limited warranty period you obtained when you registered your ePropulsion Product, whichever is longer.
- **eSSA Products:** Twenty-four (24) months or 1000 hours (whichever comes first) from the date of sea-trial delivery and commissioning. The limited warranty period shall not exceed twenty-six (26) months or 1015 hours (whichever comes first) from the date the First Purchaser receives the ePropulsion eSSA System Product.

## **(3) Warranty Periods for Commercial Use**

"Commercial use" means any utilization of the ePropulsion Product in activities primarily intended for generating income or profit or otherwise carried out in support of a business operation. For example:

1. using ePropulsion Product in a commercial fishing enterprise where the catch is sold for profit;
2. incorporating ePropulsion Products into a tour-guiding business that offers paid boating tours.
  - **Single Products:** Twelve (12) months or 1000 hours (whichever comes first) from the date of receipt of the ePropulsion Product by the First Purchaser, or the limited warranty period you obtained when you registered your ePropulsion Product, whichever is longer.
  - **eSSA Products:** Twelve (12) months or 1000 hours (whichever comes first) from the date of sea-trial delivery and commissioning. The limited warranty period shall not exceed fourteen (14) months or 1015 hours (whichever comes first) from the date that the First Purchaser receives the ePropulsion eSSA System Product.

Any ePropulsion Product or part repaired or replaced under the Limited Warranty assumes the remaining limited warranty period or ninety (90) days, whichever is longer. If only parts are replaced under warranty, the 90 days warranty covers the replaced parts only, the ePropulsion Product itself will remain the original warranty period). Any original part of an ePropulsion Product (except for consumable parts) purchased separately by the customer is covered by a limited warranty period of ninety (90) days.

If the ePropulsion Product is transferred to another purchaser during the limited warranty period, the remaining limited warranty period is transferred to that purchaser. The transfer of this Limited Warranty will not extend its duration. Warranty coverage that has not yet expired cannot be transferred to or from a customer using the product for commercial purposes.

### **3.2.5 Non-commercial Use**

The Limited Warranty applies only to ePropulsion Products purchased by consumers and used solely for recreational purposes and not for any commercial application.

Insofar as the ePropulsion Product is used by consumers for light commercial use, the limited warranty shall apply mutatis mutandis, whereby the limited warranty periods in Section 3.2.4 (2) in this manual shall apply for possible warranty coverage.

### **3.2.6 Commercial Use**

In case of commercial use as defined in Section 3.2.4(3), any commercial contract (including but not limited to the Product Sales Contract or the Purchase Agreement) entered into between the commercial customer and ePropulsion or its authorized distributor/dealer, the warranty terms in the commercial contract shall prevail over this Limited Warranty, if the commercial contract stipulates warranty terms. For all warranty matters beyond the scope of the commercial contract, the provisions of this Limited Warranty shall apply.

### **3.2.7 Warranty Procedures**

If you believe your ePropulsion Product is defective, you must contact an ePropulsion authorized distributor/dealer within fifteen (15) days after discovering the defect. Your authorized distributor/dealer will provide you with the contact details (name, address and telephone number) of the designated service facility.

You are responsible for transporting your ePropulsion Product to and from the designated service facility. Any delivery or transportation costs incurred in the process shall be borne by you, except where such costs arise in connection with the assertion of your statutory rights under the applicable sales contract. In certain cases, your ePropulsion authorized distributor/



dealer may, at ePropulsion's sole discretion and subject to prior agreement, arrange for the inspection and/or repair to be performed on-site.

The following procedures must be followed to make a warranty claim:

1. Contact your nearest ePropulsion or ePropulsion authorized distributor/dealer. They will inform you whether the defect is covered by this Limited Warranty or their own warranty and provide the contact details (name, address and telephone number) of the designated service facility.
2. Provide proof of first purchase (e.g., receipt or invoice showing ePropulsion Product, date and the serial number) or commissioning (e.g. the form that shows the commissioning date). Product labels must be kept intact. Claims are valid only if the information provided is correct, genuine, and complete. If you have registered the ePropulsion Product on the official website, proof of first purchase or commissioning is not necessary.
3. Use the original box and packaging material of the ePropulsion Product for transport or equivalent packaging and packaging material for sending the ePropulsion Product to the designated service facility. Pack the ePropulsion Product in such a way that any damage caused by improper packaging during transport is avoided (e.g. by using sufficient padding). ePropulsion is not liable for any damage caused by improper packaging during transport. In certain cases, instead of shipping the products back, on-site service will be managed.
4. Keep defective items available for inspection by ePropulsion or an ePropulsion authorized distributor/dealer for the duration of the inspection. You can request the return of the ePropulsion Product. ePropulsion will arrange the return. If ePropulsion replaces the ePropulsion Product or part of the ePropulsion Product, the replacement becomes your property and the ePropulsion Product or the part of the ePropulsion Product that is replaced, becomes the property of ePropulsion.
5. ePropulsion or the ePropulsion authorized distributor/dealer will conduct diagnosis and examination on the defective ePropulsion Product to verify the validity of the warranty claim:
  - If your warranty claim is accepted, the ePropulsion Product or its defective parts will be repaired or replaced free of charge.
  - If your warranty claim is rejected, you will receive an estimate for repair/replacement of the ePropulsion Product, including the costs of round-trip delivery. ePropulsion or the ePropulsion authorized distributor/dealer will only begin the work after receiving your written confirmation.

Any action arising hereunder must be commenced within one (1) year after the cause of action accrues, unless you are a consumer, in which case a statutory limitation period of two (2) years applies. Any actions commenced after this period shall be barred.

### 3.2.8 Excluded from the Limited Warranty

In addition to the other conditions and limitations set forth in Section 3.2.3, the following items are specifically excluded from any coverage under this Limited Warranty:

1. Ordinary wear and tear (e.g. aging of sealing rings, fading of external appearance, reduction in display screen brightness, battery capacity attenuation, decrease in cruising range; loose interfaces that still enable normal connection).
2. consumable parts (e.g. propeller, anode).

**This Limited Warranty does not cover any defect, damage, cost, or consequence resulting from:**

1. Use not in accordance with the Operation Manual or intended use described therein. This includes:
  - Wilful abuse, misuse, negligence or accidents,
  - physical damage (including overcharging or over discharging),
  - installation, handling, operation, or maintenance inconsistent with the instructions in the
  - Operation Manual,
  - failure to perform the required maintenance,
  - delay of more than two (2) months in claiming the repair of the ePropulsion Product despite being aware of the defect,
  - racing or engaging in a contest of speed or endurance,
  - use of non-approved attachments, non-genuine parts, or spare parts of non-equivalent quality,
  - incorrect software settings or unauthorized modifications to software,
  - incorrect storage, e.g. long storage resulting in battery failure, dried/cracked rubber components, or corrosion of electrical contacts/connectors,
  - not performing and paying for regular maintenance and failing to maintain records of all service and maintenance,
  - running aground, incorrect propeller matching, or similar operation against the Operation Manual,
2. unauthorized modification, repair or tampering of
  - the ePropulsion Product, accessory, or part (including removal or alteration of the ePropulsion Product label or the serial number),
  - the power, control, or electrical system,
  - service performed by a non-authorized facility,
3. environmental exposure, e.g.
  - rust or corrosion in electrical contacts or connectors,
  - submersion or exposure to unsuitable environmental conditions, such as high humidity, heavy rainfall, seawater intrusion, or freezing of the cooling water,

4. parts and repair costs of failure due to misdiagnosis,
5. damage due to improper packing during transport,
6. repairs outside normal working hours,
7. service-related costs such as installation, disassembly, financing, rental, or similar costs,
8. non-compliance with applicable laws and regulations governing the transport or packaging of lithium batteries (classified as a UN9 hazardous items), and
9. for commercial customers (B2B) only, transporting the ePropulsion Product, part, or vessel in which the ePropulsion Product is installed, to and from the designated service facility (including any haul-out fees or storage fees).

In all warranty claims, ePropulsion will only bear the costs of diagnosing, repairing, or replacing a defective part. In no event shall ePropulsion or ePropulsion Authorized Distributor/dealer be liable for incidental, special or consequential damages. Such damages include, but are not limited to, loss of profits, haul-out fees, launching costs, towing, storage, slip fees, insurance coverage, loan payment, transportation costs, telephone charges, and mileage.

### 3.3 Miscellaneous

- Except as modified in writing and signed by the parties, and except where a commercial contract expressly provides otherwise, this Limited Warranty is and shall remain the complete and exclusive agreement between the parties with respect to warranties, superseding all prior written or oral agreements, and all other communications between the parties relating to warranties.
- No original equipment manufacturers, boat builders, ePropulsion product installers, distributors, dealers or any other person or entity has any authority to make any representation or promise on behalf of ePropulsion or to modify the terms or limitations of this Limited Warranty in any way, whether orally or in writing.
- This Limited Warranty is subject to German law, excluding the United Nations Convention on Contracts for the International Sale of Goods (CISG). The courts in Germany shall have exclusive jurisdiction. If you are a consumer and have your habitual residence in the EU, you may also bring your claim in the country in which you live and you additionally enjoy the protection afforded to you by the mandatory provisions of the law of your country of residence.



## WARRANTY CARD ePropulsion Control System

(\*In order to validate warranty, please fill in this form first and read the Warranty Policies.)

### || OWNER INFO. ||

Owner Name			
Address			
Phone		Email	

### || DEALER INFO. ||

Store Name			
Address			
Phone		Email	

### || PRODUCT INFO. ||

Date of Purchase (mm/dd/yyyy)	
Serial No.	







Thanks for reading this user manual.

If you have any concerns or find any problems while reading, please don't hesitate to contact us. We are delighted to offer service for you.

Guangdong ePropulsion Technology Limited

Website: [www.epropulsion.com](http://www.epropulsion.com)

E-Mail: [service@epropulsion.com](mailto:service@epropulsion.com)