

Installation & Setup Instructions

24VDC Solar Manual-Operated Boat Lift Control Unit

Please read this manual thoroughly before operating your boat lift control unit system.

© OMCOP 2013 All Rights Reserved

OPERATION

Your 24vdc boat lift control unit is designed to operate with (2) 12v marine batteries wired into a series with 24v output. Each solar panel is directly and independently connected to each battery. Each solar panel provides an output of 12v 2.4W at 200 mA, perfectly designed to recharge and maintain most standard marine 12v batteries.

The 24v system is not designed for continuous heavy-use. On average, it is designed to allow operate (raise) a boat lift 2-3 times daily (based on an average of 8 hours of continuous sunlight). Be conscious in conserving batteries as much as possible.

It is recommended that the system be used with any standard 12v Group24 or Group27 marine batteries with an average standard capacity of 50 Amp-Hours. It is also recommended that both batteries be identical for most optimal performance.

How it works: The solar panel converts light energy (sun) into 12vdc electricity which is then transported to the rechargeable batteries through lead wire and connector.

WARNING: This product not designed to re-charge a fully discharged battery. Batteries depleted beyond 80% cannot be fully recharged and fully depleted (dead) batteries will not charge.

SETUP

Ensure that the front of the solar panel on your control unit faces the sun with no shadow cast on the solar panel. It is recommended that the long side of the solar panel be positioned towards the South-to-North direction.

The blue LED on the plastic frame will blink whenever the solar panel is generating electricity.

Connecting the Solar Panel to Your Control Unit

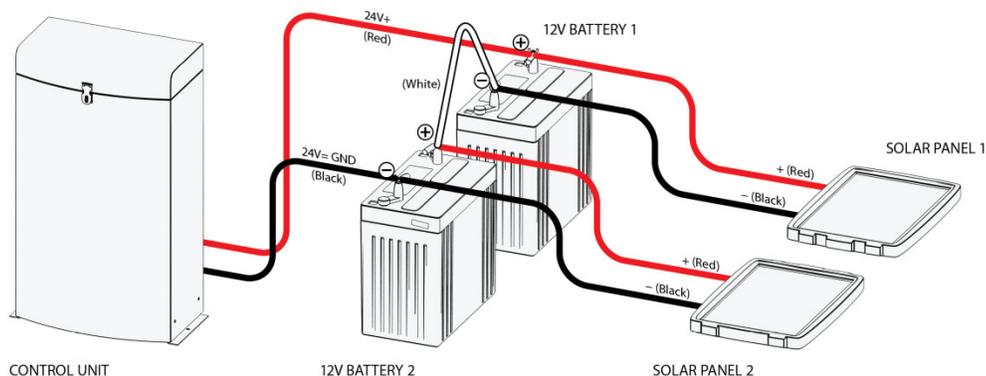
1. Establish a 24v Connection (Wiring (2) 12v Marine Batteries into a Series)

Your system is equipped with a connector wire (white wire) with ring connectors on each tail end. Use the connector wire to connect the - battery terminal (Battery 1) to the + battery terminal (Battery 2).

Failure to securely fasten the connector to both batteries to create a 24v connection can harm your unit

2. Connect 24v Lead Wires to Control Unit

Ensure with great care that the + (red lead wire) and - (black lead wire) from your control unit are connected and fastened to the corresponding 24v positive and negative battery terminals. Failure to do so can harm your control unit.



CAUTION and MAINTENANCE

1. Solar charger uses glass substrate. Please handle with care.
2. Always keep the glass surface clean with a soft cloth in order to ensure maximum output.
3. Avoid contact with acid and alkali.
4. Periodically check to ensure the connector wire (white) remains fastened to both marine batteries.

Manufacturer Warranty

24VDC Solar Manual-Operated Boat Lift Control Unit

Warranty Policy

OMC Outdoor Products warrants its products under the following conditions:

Blower Motors, Controller Units (CUs), and any Electrical component free from defects in materials and workmanship under normal use and service for a period of three (3) years from the date of purchase. User-caused damages with solar panels are not covered under warranty.

Returns Policy

1. Products damaged during shipping, a claim with the freight carrier or shipper must be filed.

2. Products proved to be defective during the warranty period, OMC Outdoor Products will either:

- Repair or replace the product at no charge for parts or labor,
- Replace the entire product or specific part with which may be new or refurbished or,
- Refund the amount paid for the product, less a reasonable allowance for usage, upon its return.

3. For non-defective product returns during the warranty period:

OMC Outdoor Products will provide a full refund of the purchase price (EXCLUDING any shipping costs and CC fees) provided under the following conditions:

- Product is returned in the same condition in which it was shipped.

RMA>Returns Contact

Contact OMC Outdoor Products via:

1. Phone: (888) 219-1936,
2. Email: OMCSales@omcop.com or,
3. Website: www.omcop.com (Contact Us page)

in notifying OMC Outdoor Products of the product defect before the expiration of the warranty period or any inquiries on Company's warranty and return policies. To ensure OMC Outdoor Products can provide the best assistance possible, it is suggested that Customers disclose all appropriate information to help resolve issues.