



Six Unit Compact Charger

FOR RECHARGEABLE TWO-WAY RADIO BATTERIES

A decorative horizontal band with a dark gray background, featuring several thin, light gray curved lines that sweep across the width of the page.

User Manual

For EC6 Compact Charger Models

ENDURA EC6 COMPACT CHARGERS

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Overview

Thank you for purchasing an Endura™ EC6 Compact charger. This User Manual covers all models of the EC6 Compact charger. This charger is designed to charge Li-Ion batteries whether on or off a radio.

If you have questions concerning radio or battery compatibility, contact a Power Products dealer, visit www.powerproducts.com, or call customer service at 800-529-1618.

Important

1. Always charge new batteries completely before initial use. Recycle batteries when they can no longer be used. Do not discard unwanted batteries in the trash or incinerate. Batteries exposed to fire or excessive heat may explode.
2. Use charger in areas protected from the weather. Do not expose the charger to rain, any liquids, or excessive moisture.
3. Make sure contacts in charging pod and on the battery are clean. Do not allow wire or metal objects to touch contacts in charging pod or any internal part of the charger.
4. Do not remove the charger's housing or make any modification to the charger.
5. Use only the power supply provided with the charger model. If a replacement is required, order TWC6-PS2.

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

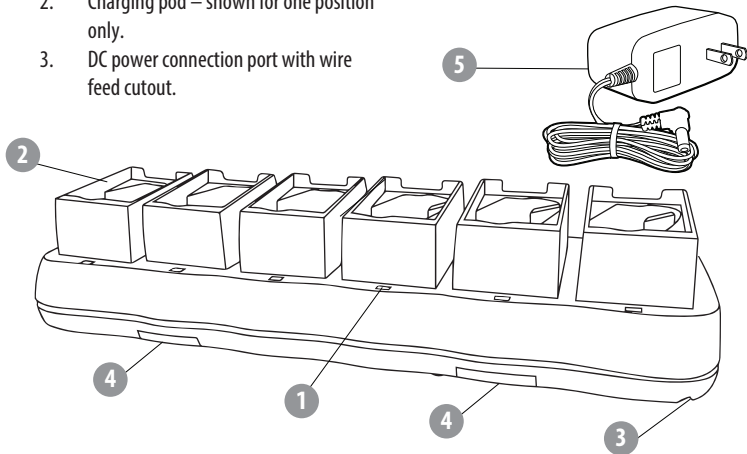
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER. NO USER-SERVICEABLE PARTS ARE INSIDE. REFER ANY SERVICING TO QUALIFIED SERVICE PERSONNEL.

Charging a Battery

1. Connect the charger to an AC wall outlet with the power supply provided.
2. Place the battery to be charged in the charger. The battery may also be charged while attached to the radio.
 - A. If charging battery only, lay battery horizontal over top of charging pod aligning the contacts on battery and charger.
 - B. If charging while attached to radio, place the radio into the charging pod facing the LEDs.
3. When a battery is placed in the charger and while charging, the status LED will illuminate RED with no flashing to indicate normal charging. If the status LED is red and flashes, a fault has been detected.
4. When the battery is charged to 90% of capacity, the status LED will change to GREEN and begin to flash. The status LED will illuminate GREEN with no flashing when the battery is fully charged.
 - A. If charging on a radio, the LED status light on the charger will not illuminate but the LED light and display on the RADIO will indicate charge level.
5. When a battery is removed from the charger, wait for the status LED to go off before inserting another battery.
6. Charge batteries when they are between 0°C and 45°C (32° F – 113° F). Do not charge a battery when it is frozen (below 0°C / 32° F) or when it is excessively warm to the touch (45°C / 113° F or above). Charging automatically terminates if battery temperature reaches 45°C while charging.

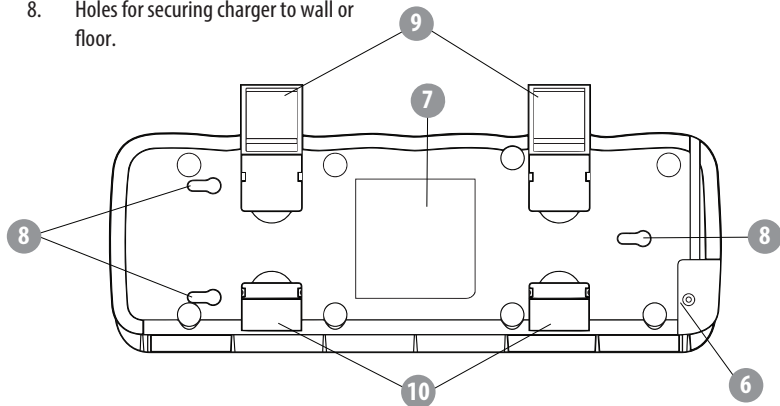
EC6 Compact Charger Features

1. Charge status LED – shown for one position only.
2. Charging pod – shown for one position only.
3. DC power connection port with wire feed cutout.
4. Fold-out tabs for charger series connection.
5. AC to DC power supply.



EC6 Compact Charger Features (continued)

6. DC power connection port – for AC to DC power supply or TWC6-PS2.
7. Status LED information – see bottom label.
8. Holes for securing charger to wall or floor.
9. Fold-out tabs for charger series connection.
10. Indents to connect fold-out tabs.

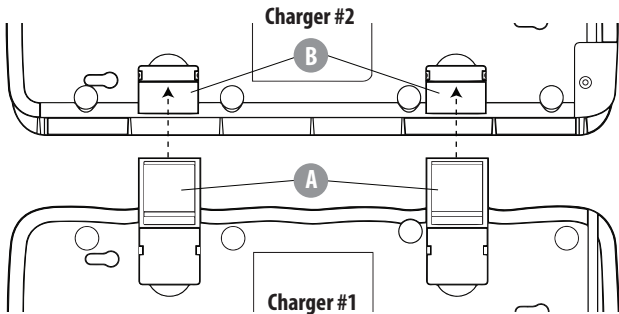


Series Connector Tabs

The EC6 Compact charger features fold-out tabs (A) that can be used to link multiple chargers together in a series.

1. Pull out fold-out tabs (A) on charger #1 using the semi-circle cutout above the fold-out tabs.
2. Line up the fold-out tabs with the indents (B) on the bottom of charger #2.
3. Snap fold-out tabs into the indents of charger #2.

To disconnect, use the semi-circle cutout above the indents (B) on charger #2 to unclip the fold-out tabs of charger #1.



Fault Conditions & Advisments

When the charge status LED flashes RED, a fault condition exists. A fault condition requires immediate attention. When the status LED is solid or flashes ORANGE, you are receiving an advisement about the battery.

The flash patterns for fault conditions are as follows:

LED Pattern	Fault Description
Flashes RED 1 Time	Indicates (A) low voltage battery failure or (B) battery has a short circuit. If (A), the battery's voltage is below the minimum level required and cannot be charged. If (B), the battery is defective and should be recycled. This warning is provided after the pre-charge stage is completed.
Flashes RED 2 Times	Indicates battery contact is "open" and current is not passing through the (+) and (-) contacts on the battery. This warning is provided after the initial diagnostic stage is complete. Check charging pod to confirm compatibility with battery.
Flashes RED 3 Times	Battery temperature is 45°C (113° F) or above. Charging has terminated, remove battery from charger. Have battery checked by a qualified technician.

Fault Conditions & Advisements (continued)

The flash patterns for advisements are as follows:

LED Pattern	Advisement
Solid ORANGE (Battery removed.)	Brief reset period for charger after battery is removed. Allow the LED to go off before inserting another battery.
Solid ORANGE (Battery inserted.)	<p>Indicates (A) battery is too cold or (B) charger is performing a temperature diagnostic when the battery is inserted. If (A), the battery temperature is 0°C (32°F) or below and charging is delayed for up to two hours. Battery is monitored and charging resumes once it is above freezing. Monitoring terminates if the battery temperature remains below freezing for two hours. Remove battery and reinsert once battery reaches room temperature.</p> <p>If (B), battery type requires additional time to determine its temperature. This is generally completed within a few minutes after insertion.</p>

Fault Conditions & Advisements (continued)

The flash patterns for advisements are as follows:

LED Pattern	Advisement
Flashes ORANGE 1 Time	Battery temperature remains at 0°C (32° F) or below after two hours of monitoring. Remove battery from charger and allow it to warm.
Flashes ORANGE 2 Times	Indicates charging complete, but battery is under charged. Battery voltage is below minimum level required. This warning is provided after the rapid charging stage is complete.

Warranty And Service During Warranty

Power Products Unlimited, LLC. (PPU) warrants this product to be free from defects in workmanship and materials for one year from date of purchase by the end user. This warranty applies to the original purchaser and is void if the product has been altered, misused, damaged, neglected, or if repair is required because of normal wear and tear.

This is the only warranty made by PPU. In no event will PPU, its affiliates, subsidiaries, related entities, or their respective directors, officers, or employees, be liable for any damages beyond repair or replacement as described above, including without limitation, indirect, incidental, or consequential damages. For service under warranty, return the product along with dated proof of purchase to the retailer where purchased or to Power Products.

If returning directly to Power Products, follow these instructions:

- Send to Power Products – Warranty Service Department, 1855 Lockeway Dr., Suite 502, Alpharetta, GA 30004. For your protection, we recommend you obtain proof of delivery for your shipment.
- Include with your product, dated proof of purchase, your name and daytime telephone number, and return address (street address only; return shipments cannot be made to a P.O. Box).

EC6 Compact Charger Specifications

Dimensions (W x L x H)	108 x 302 x 62 mm / 4.3 x 5.2 x 2.4 inches
Weight	0.47 kg / 1.04 lbs. (charger only)
Compatible Chemistries	Li-Ion
Ambient Operating Temperature	5° C - 40° C / 41° F - 104° F
Power Supply Input	100V – 240V AC / 50 Hz – 60 Hz / 1.0A
Charger Input	12V – 24V DC / 3.0A
Charge Rate	500 mA (4.2V - 8.4V)
Approvals	FCC ^A / CE / UKCA / UL (power supply only)

(A) This device complies with FCC Rules, Part 15, Subpart B, Class B 2016, ANSI C63.4:2014. 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.

Specifications subject to change without notice.

Installation Notes



Endura Chargers By Power Products
Smart – Adaptable – Reliable™

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