



EC1 • EC1M • EC6M

EC Chargers - Single Pod

Smart Charging Solutions For Two-Way Radio Batteries

- All models charge Li-Ion, LiPo, NiMH, or NiCd batteries based on pod selected.
- Advanced charging technology prevents over-charging, while providing automatic recharging when a radio remains powered on.
- Provides cold and hot battery monitoring and other important battery advisements (see Status LED Information on back).
- Replaceable charging pod allows EC chargers to be updated for future use with other radios.
- Available for popular radios from Motorola, Kenwood, Harris, Hytera, Icom, Maxon, Relm, Tait, Vertex Standard, and others.
- Certified to meet California Energy Commission and U.S. Department of Energy requirements for energy conservation (see Specifications on back).



Endura EC1

- Features a compact footprint and ideal for desktop use.
- For added flexibility in placement, charger may be positioned to view from the front or side.
- Includes charging pod, AC to DC power supply, and user manual.



Endura EC1M

- Designed for in-vehicle use and may be powered from a 12V or 24V outlet.
- Bracket design allows for mounting on a vertical or horizontal surface.
- Includes charging pod, mounting bracket with adjustable tie-down strap, vehicle power adapter, and user manual.



Endura EC6M

- Ultra-compact footprint measures only 20.8 inches x 5.8 inches.
- The six charging positions may be configured for a specific radio or six different radio models (see pod listing for exceptions).
- Includes six charging pods, AC-DC power supply, and user manual.
- Accessories available for in-vehicle use. EC6M features a custom designed DC socket for hardwire connection.

Authorized Dealer:



ENDURA Chargers By Power Products
Smart • Adaptable • Reliable™

Status LED Information

When a battery is placed in an EC charger, the Status LED confirms normal charging, full charge, battery fault, or battery advisement.

- ◀ **Solid RED** – battery is charging normally.
- ◀ **Flashing Green** – battery is 80% charged.
- ◀ **Solid Green** – battery is fully charged.
- ◀ **Extended Solid ORANGE**¹ – cold battery, charger monitoring, see manual.
- ◀ **Short Solid ORANGE** – charger reset, do not insert battery until off.
- ◀ **Flashing ORANGE** – battery advisement, see manual.
- ◀ **Flashing RED** – fault condition, remove battery, see manual.

¹Feature not available with (A) models EC1-V2, EC1M-V2, and EC6M-V2 or (B) with EC1, EC1M, and EC6M when charging batteries without temperature sensing circuitry.

Charging Pods For EC Chargers

Endura EC chargers utilize many different pods in order to charge hundreds of different two-way radios. The charging pods are replaceable, allowing the



EC charger to be updated for future use with other radios. Most of the charging pods are compatible with EC1, EC1M, or EC6M. However, a few pods require an EC charger that is slightly different and those models are EC1-V2, EC1M-V2, and EC6M-V2. For a complete

listing of pods available and the compatible EC charger, contact an authorized Power Products dealer or visit www.powerproducts.com.

Specifications

	EC1	EC1M	EC6M
Dimensions (W x L x H)	96 x 131 x 77 mm 3.8 x 5.2 x 3.0 inches	96 x 131 x 77 mm 3.8 x 5.2 x 3.0 inches	509 x 148 x 91 mm 20.0 x 5.8 x 3.6 inches
Weight (charger only)	0.25 kg / 0.55 lbs.	0.25 kg / 0.55 lbs.	1.4 kg / 3.1 lbs.
Compatible Chemistries (based on pod selected)	Li-Ion / LiPo NiMH / NiCd	Li-Ion / LiPo NiMH / NiCd	Li-Ion / LiPo NiMH / NiCd
Operating Temperature	0° C – 45° C 32° F – 113° F	0° C – 45° C 32° F – 113° F	0° C – 45° C 32° F – 113° F
Power Supply Input	100V – 240V AC 50 Hz – 60 Hz / 0.5A	N/A	100V – 240V AC 50 Hz – 60 Hz / 2.0A
Charger Input	15V DC / 1.0A (with TWC1-PS)	12V-24V DC / 1.0A (minimum)	12V-24V DC / 5.4A ^E (minimum)
Charge Rate ^A	900 mA (10.6V-13.5V)	900 mA (10.6V-13.5V)	900 mA (10.6V-13.5V)
Approvals	FCC ^B / BC ^C / DOE ^D / CE	FCC ^B / BC ^C / DOE ^D / CE	FCC ^B / BC ^C / DOE ^D / CE
Warranty	12 months	12 months	12 months

(A) Applies to EC1 / EC1M / EC6M. Charge rate for EC1-V2 / EC1M-V2 / EC6M-V2 is 700 mA. (B) Complies with FCC Rules, Part 15, Subpart B, Class B 2016, ANSI c63.4:2014. (C) Complies with California Energy Commission CEC-400-2011-005. (D) Complies with U.S. Department of Energy 10 CFR, Part 430, PC3 and 4. (E) Applies to EC6M. Charger input for EC6M-V2 is 4.8A (minimum). Specifications subject to change without notice.

Endura EC6M

The EC6M may be installed in a vehicle with the optional EC6M-MB mounting bracket shown below. The EC6M-MB has adjustable tie-down straps allowing taller or shorter radios to be properly secured. Using a vehicle power adapter (TWC6M-VPA) or hardwire kit (TWC6M-HW), the charger can be powered from a 12V or 24V source.



TWC6M-VPA

The TWC6M-VPA features a heavy duty coiled cord and is compatible with EC6M and EC1M.



TWC6M-HW

The TWC6M-HW is the optional hardwire kit for EC6M and EC1M.



EC6M-MB

The EC6M-MB allows the EC6M to be wall or floor mounted and includes fasteners.



Endura EC1M

The EC1M includes the EC1M-MB mounting bracket and vehicle power adapter (TWC1M-VPA) shown below. The adjustable tie-down strap will properly secure radios of different heights or a battery only.

EC1-MB

The EC1M-MB allows either floor or wall mounting and fasteners are included. When floor mounting, the two side flanges are attached to the main bracket.



ENDURA™

EC2M • EC12M

EC Chargers - Dual Pod

Innovative Charging Solutions For Two-Way Radio Batteries

- EC2M and EC12M charge Li-Ion, LiPo, NiMH, or NiCd batteries based on pod selected.
- Advanced charging technology prevents over-charging, while providing automatic recharging when radio remains powered on.
- Provides hot and cold battery monitoring and other important battery alerts.
- Replaceable charging pod allows charger to be updated for future use with other radios. Pods available for popular radios from Motorola, Kenwood, Harris, Hytera, Icom, BK Technologies, Tait, Vertex Standard, and others.
- Special V3 models available for charging Motorola APX batteries with higher end voltage requirements (see V3 Models section on back).
- Certified to meet U.S. Department of Energy and California Energy Commission requirements for energy conservation.



Endura EC12M

- Rapid charges twelve batteries while on or off the radios.
- Ultra-compact footprint measures only 20.0 x 5.8 inches.
- Charging pods can be configured for a specific radio or six different radio models.
- Includes six dual charging pods, 100V – 240V AC to DC power supply, and user manual. Additional accessories listed on back.

Charging Pods

There are more than 25 unique pods that can be used in EC2M and EC12M to charge batteries for hundreds of different two-way radios. Pods are designed to hold two batteries while on or off a radio and are field replaceable making it easy to update the charger. For a complete listing of pods available, contact an authorized dealer or visit www.powerproducts.com.



Endura EC2M

- Rapid charges two batteries while on or off the radios.
- Separate LEDs confirm charge status of battery in front or rear position.
- Includes dual charging pod, 100V – 240V AC to DC power supply, and user manual.
- Accessories available for in-vehicle installation (see back).



Authorized Dealer:

 **PowerProducts™**

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Accessories For EC2M / EC12M

Part Number	EC2M	EC12M	Description
TWC2M-PS	•		Power supply (included).
EC2M-MB	•		Mounting bracket (for in-vehicle installation).
TWC6M-VPA	•		Vehicle power adaptor.
TWC6M-HW	•	•	Hardwire kit.
TWC12M-PS		•	Power supply (included).
TWC6M-PC		•	Power cord for TWC12M-PS (included).
EC6M-MB		•	Mounting bracket for office or in-vehicle applications.



V3 Models For Motorola APX Batteries

Designed specifically for Motorola APX6000 / 7000 / 8000 batteries, the EC2MV3 and EC12MV3 incorporate a special charging pod (TWP-MT19T-D) and additional intelligence that ensure proper charging of batteries that have higher end voltage requirements. The EC2MV3 / EC12MV3 models offer the same standard features as EC2M / EC12M, but because of the unique charging requirements of APX batteries, the V3 models are pod specific.

Part Number	Battery Compatibility
EC2MV3-MT19T-D	Endura V3 models are compatible with Motorola APX6000 / 7000 / 8000 batteries, including those with a higher end voltage requirement.
EC12MV3-MT19T-D	

Specifications

Part Number	EC2M	EC12M
Dimensions (W x L x H)	101 x 137 x 81 mm 3.9 x 5.4 x 3.2 inches	509 x 148 x 94 mm 20.0 x 5.8 x 3.7 inches
Weight (Charger Only)	0.32 kg / 0.7 lbs	1.63 kg / 3.6 lbs
Compatible Chemistries	Li-Ion / LiPo / NiMH / NiCd (based on pod selected)	Li-Ion / LiPo / NiMH / NiCd (based on pod selected)
Operating Temperature	15° C – 30° C / 59° F – 86° F	15° C – 30° C / 59° F – 86° F
Power Supply Input	100V – 240V AC / 50 HZ – 60 HZ / .58A	100V – 240V AC / 50 HZ – 60 HZ / 2.2A
Charger Input	12V – 24V DC / 1.6A	12V – 24V DC / 12.5A
Charge Rate	800 mA (10.6V – 13.5V)	800 mA (10.6V – 13.5V)
Approvals	FCC ^A / BC ^B / DOE ^C / CE	FCC ^A / BC ^B / DOE ^C / CE
Warranty	12 months	12 months

(A) Complies with FCC Rules, Part 15, Subpart B 2016. (B) Complies with California Energy Commission CEC-400-2011-005. (C) Complies with U.S. Department of Energy 10 CFR, Part 430, PC3 and 4.

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Endura EC12M

The EC12M's small footprint makes it easy to charge a large number of radios when space is limited.



The optional **EC6M-MB** bracket allows EC12M to be wall or table mounted. Integrated and adjustable tie-down straps are provided for in-vehicle applications and allow 12 radios or 12 batteries to be secured.



Endura EC2M

The EC2M allows battery or radio placement in either front or rear position.



For in-vehicle use, EC2M can be mounted using **EC2M-MB** and powered from a 12V or 24V source using **TWC6M-VPA** or **TWC6M-HW**.

