

# **logic**<sup>TM</sup> ENERGY IN-VEHICLE CHARGER



*The Logic Energy radio holder features the industry's most compact footprint and lowest profile. It allows a radio to be installed in locations where space is limited and where access to the radio is more convenient. The restraining cord holds the radio securely in place, includes a quick-release latch, and is adjustable.*

## Advanced Modular Charging System For Two-Way Radio Batteries

The Logic Energy In-Vehicle Charger, or LEVC, is designed for professionals. Its ultra-rugged design and modular concept make it ideal for public safety, construction, and utility vehicles. Key features include:

- *Low profile and custom fitting radio holder with multi-directional mounting bracket.*
- *High impact and vibration tolerant contacts. (See alpha contact<sup>TM</sup> information.)*
- *Compact charge controller with integrated mounting brackets.*
- *Rapid charging for NiCd, NiMH, Li-Ion, and LiPo batteries. Charges battery while on radio or separately.*
- *Easy-to-replace radio holder simplifies and reduces cost of radio upgrade.*
- *Status LED confirms charging "in progress", "80% charged", or battery "fully charged".*
- *Logic Energy in-vehicle chargers are radio specific and available for a wide range of radio models from Harris, Kenwood, Motorola, HYT / Hytera, Tait, and others. For a complete listing of charger models and compatible radios, contact an authorized Power Products dealer or visit [www.powerproducts.com](http://www.powerproducts.com).*



*Installation accessories include DC power cable, controller to radio holder interface cable, and multi-directional mount with fasteners.*



*The Logic Energy charge controller measures only 5.7" x 3.1" x 1.2" (including mounting brackets), which makes it easy to install under a seat or dash. With the interface cable provided, the charge controller can be installed over six feet from the radio holder. The charge controller operates with 12V or 24V DC input and its durable housing is made from anodized aluminum.*

**Authorized Dealer:**

 **PowerProducts**<sup>®</sup>

**Logic Energy In-Vehicle Chargers By Power Products**  
Charging Solutions For Professionals<sup>TM</sup>

## Specifications For Logic Energy In-Vehicle Charger

Dimensions – radio holder (LxWxD)	122 x 66 x 46 mm / 4.8" x 2.6" x 1.8"
Dimensions – charger controller (LxWxD)	145 x 78 x 30 mm / 5.7" x 3.1" x 1.2" (with mounting brackets)
Weight (complete unit)	650 g / 1.4 lbs.
Compatible battery chemistries	NiCd / NiMH / Li-Ion / LiPo (7.2V – 9.6V)
Operating temperature	15° C – 30° C / 59° F – 86° F
Storage temperature	0° C – 65° C / 32° F – 149° F
Power supply input	12V – 24V DC @ 1.0A (minimum)
Charge rate	700 mA nominal, 1.0A maximum
Contact type	High impact and vibration tolerant alpha contact <sup>TM</sup>
Contact cycle life	20,000+ insertions
Radio holder – material	Black acetyl with aluminum mounting plate
Charge controller – housing	Anodized aluminum
DC power cable	12 AWG / 5A in-line fuse / 3.0 m (9.8')
Controller to radio holder interface cable	2.0 m (6.6')
Radio holder mount	Multi-directional with standard AMPS 4-hole pattern
Status LED	Tri-color (red / amber / green)

-  Solid **orange**: charger performing battery diagnostic.
-  Solid **red**: battery is charging.
-  Flashing **red**: battery has fault condition. See user manual for details.
-  Flashing **green**: battery is 80% charged.
-  Solid **green**: battery is fully charged.

### Status LED

When a battery is placed in the LEVC, the charging status is indicated by the LED color and flash pattern.



#### High Impact And Vibration Tolerant: alpha contact<sup>TM</sup>

The contacts incorporated in the LEVC are highly robust, corrosion resistant, and maximize positive contact with the radio, even when traveling over rough roads. In addition, the contacts have a cycle life rating of more than 20,000 battery insertions, far superior to the typical in-vehicle charger. The alpha contact<sup>TM</sup> is one of many reasons you can expect premium performance from the LEVC.

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2170 Brandon Trail • Alpharetta, GA 30004  
Local: 770-740-9400 • Fax: 770-569-1844

**Toll Free: 800-529-1618**  
**www.powerproducts.com**

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