

THE Xtrema

LITHIUM CHARGER/WATTMETER



OVERVIEW

The Xtrema is much more than just a powerful Lithium charger! It includes a handy built in wattmeter to check for excessive power levels that can burn out Lithium batteries or your motor. This wattmeter even displays horsepower and motor or battery temperature! The oversized LCD display and intuitive menus make operation simple and informative. The included temperature probe shuts off the charger at programmable levels for improved charge reliability. The Xtrema won't become obsolete with its upgradable FLASH firmware and the included expansion port. Perfect for park flyers to F3A competition electric, helicopters, cars, and robots. The Xtrema is the complete virtual toolbox for your needs today and tomorrow.

CHARGER SPECIFICATIONS:

# Cells:	1-10 cells
Input Voltage:	10.5V - 15V DC @ up to 20 AMPS
Input Connectors:	Super heavy duty Alligator Clips with 3 ft. cord.
Case Size:	6.25 x 3.25 x 2.25 in. (159 x 83 x 57 mm.)
Weight:	22 oz. (624 grams)
Charger Output Connections:	12 Gauge Fine Strand Silicon Wire
Volts per Cell:	3.70V (storage charge)- 4.20 volts in .05 volt steps
Charge Rate:	50mA - 8000mA in 50 mA steps (4000mA max @ 10 cells)
Battery Types:	Lithium Ion, Lithium Polymer
Safety Timer:	10 - 990 minutes (120 default)
Fan:	On only when needed for longer life.
Safety Temperature Cutoff:	60°F - 130°F (104°F default)
Display:	4 line X 20 character LCD display
Audible Alarms:	Piezo Speaker beeps every 15 seconds, beep once or disable

WATTMETER SPECIFICATIONS:

Input Supply Voltage:	6.5V - 15V DC < 40 ma
Wattmeter Output Connections:	14 Gauge Fine Strand Silicon Wire
Voltage Measurement:	0 - 60 V, resolution 0.01 V
Current Measurement:	0 - 100 A peak, 50 A continuous, resolution 0.01 A
Power Measurement:	0 - 6000 W, resolution 0.1 W.
Horsepower Measurement:	0 - 8.0 HP resolution .01 HP
Temperature Measurement:	302°F (150°C)

NEEDED TO COMPLETE

Female Connector:

(capable of 50 Amps continuous or your max expected current use for wattmeter feature)

Male Connector:

(to match your largest battery pack)

12VDC power source:

(capable of 20 amps or an Automotive battery)

TME

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KEY FEATURES

- * **MADE IN THE USA** with a **3 YEAR WARRANTY** in a **Rugged Anodized Aluminum Case**
- * **Powerful!** Charges 1 to 10 cell Lithium packs at up to 8 Amps!
- * **Handy!** Built in Wattmeter handles up to 100 Amp peaks and displays Volts, Amps, Watts and Horsepower
- * **Ultra easy to use menus!** with **LARGE LCD display** and joystick navigation.
- * **Natural programming!** Just enter cell count and milliamp settings! Has multiple memories for your favorite packs with cell count verification.
- * **FLASH Upgradable Firmware** with **FREE** lifetime updates online (with purchase of optional data cable)
- * **Useful!** Temperature Probe (included) Provides safety cutoff during charge and displays motor or battery temp when used as a wattmeter.
- * **Programmable max voltage** from 4.2V per cell (MAX POWER) down to 3.6V (handles Li-Ion, Li-Po, Li-Mn, "m1" cells and storage charge)
- * **Expansion data port** for future add-ons (i.e. balancer, PC interface, tachometer, etc.)
- * **XtremaLog Program** turns Xtrema into Powerful Charge and Data Analyzer (with purchase of optional data

Suggested retail price of only \$189.95

www.theXtrema.com