

CellMatch™

LiPo 2-6S Balancing Meter with LCD



ElectriFly®
by Great Planes



The ElectriFly® **CellMatch** is a precision measurement tool for Lithium-Polymer and Lithium-Ion batteries. This device measures and displays individual cell voltages and remaining battery power. **CellMatch** also identifies voltage differences between cells and discharge-balances all cells. No external power source is needed. It accepts ElectriFly style connectors with 3-7 pins, and includes a 6S in-line adapter for FlightPower® and Thunder Power batteries and wrist strap.

Note: For 6S split balance connectors, an optional adapter is required. (FPWM0169)

CAPABILITY

Batteries supported: 2–6 Cell LiPo/Lilon
Balancing current: 50mA
Voltage precision: 0.01V
Voltage range: 0–5V
Operating temperature: 32°–106°F [0°–41°C]

SPECIFICATIONS

Dimensions (L×W×H): 2.75×1.50×0.4 in. [70×38×11mm]
Weight: 0.7 oz [20g]
Case material: ABS Plastic
Case color: Black
Display: LCD



FEATURES

- A. When connecting the battery, pay special attention to the negative polarity pin. This is indicated by an arrow. Connecting the battery in any other way will result in no operation.
- B. **BATTERY POWER INDICATOR** – This is a ‘fuel gauge’ representation of the remaining battery power based on the overall pack voltage.
- C. **INDIVIDUAL CELL VOLTAGES** – Shows the individual cell voltages. Up to 6 cells can be measured and displayed on the LCD.
- D. **BALANCING INDICATOR** – When a “V” is flashing, it means that the voltage difference between the cells has exceeded 0.01V and that particular cell is being discharged and balanced. When the “V” stops flashing, that cell is balanced.



INSTRUCTIONS

1. Plug the 2S-6S Lithium-Polymer or Lithium-Ion battery into the meter. Pay special attention to the polarity of the connections. If the battery is plugged in incorrectly, the meter will simply not work. ElectriFly brand batteries can be connected directly to the meter. An adapter is included for connecting FlightPower or Thunder Power batteries.
2. Once connected, the individual cell voltages will be displayed on the LCD. Shortly after, the meter will automatically begin to discharge and balance the cells.

IMPORTANT PRECAUTIONS

- **NEVER** leave CellMatch unattended while in use at **ANY** time.
- **NEVER** leave CellMatch connected to a Lithium-based battery during storage.
- **NEVER** attempt to use CellMatch with batteries that are **NOT** lithium-based.
- Dropping CellMatch or other strong impacts run the risk of damaging the LCD screen or electronic components inside.
- Do not block the vent holes which could cause CellMatch to overheat.
- Do not attempt to use batteries with more cells than listed in the specifications.
- **IMMEDIATELY disconnect CellMatch from the battery if CellMatch or the battery becomes hot!!**
- **ALWAYS** disconnect CellMatch from the battery when not in use.
- Do not use CellMatch in the environment of magnetic radiation, high temperatures, rain and humidity.

1-YEAR LIMITED WARRANTY – *USA & CANADA ONLY

ElectriFly warrants this product to be free from defects in materials and workmanship for a period of one (1) year from the date of purchase. During that period, ElectriFly will, at its option, repair or replace without service charge any product deemed defective due to those causes. You will be required to provide proof of purchase (invoice or receipt). This warranty does not cover damage caused by abuse, misuse, alteration or accident. If there is damage stemming from these causes within the stated warranty period, ElectriFly will, at its option, repair or replace it for a service charge not greater than 50% of its then current retail list price. Be sure to include your daytime telephone number in case we need to contact you about your repair. This warranty gives you specific rights. You may also have other rights, which vary from state to state. For service on your ElectriFly product, warranty or nonwarranty, send it post-paid and insured to:

Hobby Services
3002 N. Apollo Drive, Suite 1
Champaign, IL 61822

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*For warranty and service information if purchased outside the USA or Canada, see the additional warranty information insert (if applicable) or ask your retailer for more information.

Made in China