

EFT-BATTERY-450

The New Standard for
UAV Batteries



Description:

The EFT-Battery-450 is a fully certified and industrialized battery platform for advanced **UAV applications**. The NATO based supplychain makes this battery fully NDAA compliant. The battery delivers exceptional energy density at 290 Wh/kg enabling extended flight times and increased payload capacity for demanding aerial tasks.

Features:

- **BMS:** Cell Balancing, Temperature Sensing, SOC, SOH, MOSFET Switches
- **Heating Foil:** Preheating from -10 °C to +10 °C in 10 min

Compliance:

- UN38.3/CE
- NDAA

Application:

- UAVs: Battery-Electric, under 10 kg

EFT-BATTERY-450

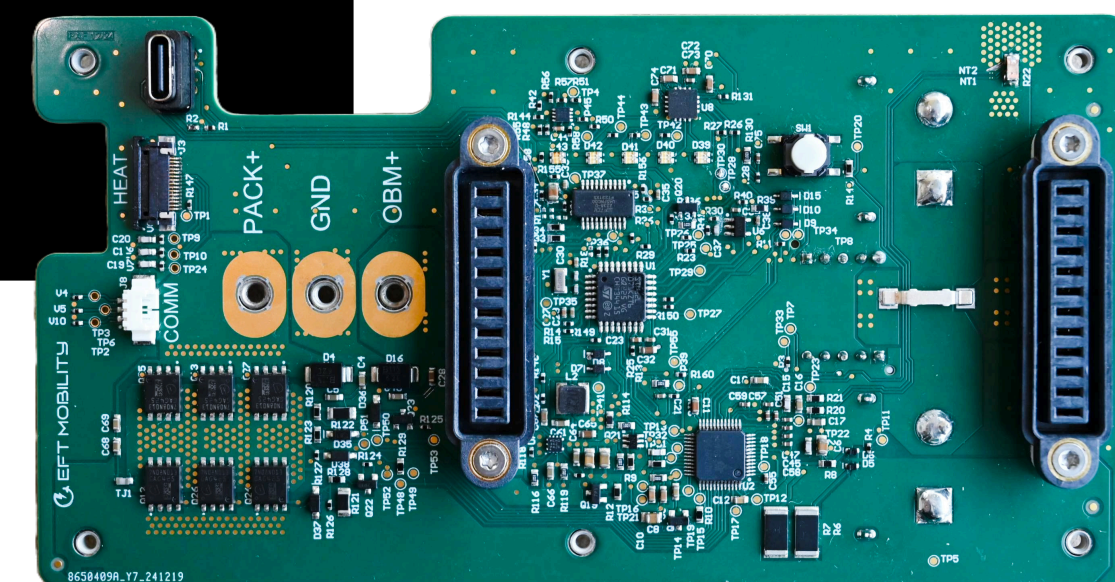
Dimension: 211x 125 x 72.5 mm



Specifications:

| | Min | Typical | Max | Unit |
|------------------|------|--|------|-------|
| Configuration | | 6S2P | | |
| Cells | | Amprius SA08 | | |
| Nominal Capacity | | 21.6 | | Ah |
| Weight | | 1.56 | | kg |
| Pack Voltage | 15.6 | | 25.2 | V |
| Energy | | 450.8 | | Wh |
| Energy Density | | 290 | | Wh/kg |
| Temperature | -20 | | 75 | °C |
| Cycle Life | | | 500 | |
| Max Charge | | 3C cont | | |
| Max Discharge | | 108A cont (5C) 172A peak (30s) (8C) | | |

EFT-BMS-14



The EFT-BMS-14 (Battery Management System) is designed as a modular BMS platform that monitors and controls our UAV battery packs. It includes all relevant monitoring functions as well as control functionality.

Configuration:

- 6 - 14 S

Voltage:

- 15 - 60 V

Sensors:

- Temperature
- Current
- Voltage

Operating Temperature:

- -30 to +80 °C

Weight:

- 23 g

Communication Protocols:

- UART
- CAN 2.0
- DroneCAN

Functions:

- SoC (State of Charge)
- SoH (State of Health)
- SoP (State of Power)
- Heating Foil Control
- Integrated MOSFETs
- Data Logging on MicroSD card
- Update via USB C
- LED SoC Indicator