EFT MOBILITY | PART OF QUANTUM SYSTEMS GROUP

EFT-BATTERY-900

The New Standard for UAV Batteries

Description:

The EFT-Battery-900 is a fully certified and industrialized battery for advanced **UAV applications**. The NATO based supplychain makes this battery fully NDAA compliant. The battery delivers exceptional energy density at 271 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 -20 °C to 10 °C in 10 min

Compliance:

- UN38.3
- CE
- NDAA

Application:

- UAVs: Battery-Electric, under 25 kg

EFT Mobility AG
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For more information:

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EFT-BATTERY-900

Dimension: 156 x 87 x 178 mm

Specifications:

	Min	Typical	Max	Unit
Configuration		8S3P		
Cells		Amprius SA08		
Nominal Capacity		33.15		Ah
Weight		3.33		kg
Pack Voltage	20.8		33.6	V
Energy		902		Wh
Energy Density		271		Wh/kg
Temperature	-20		75	°C
Cycle Life			500	
Max Charge		3C cont		
Max Discharge		166A cont (5C) 265A peak (30s) (8C)		

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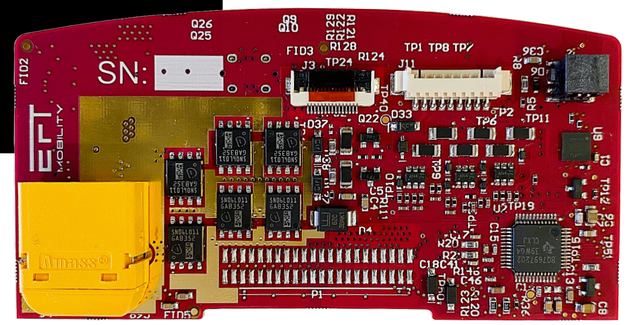
EFT-BMS-14



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:

- 30 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 EEPROM
- Update via USB C
- LED SoC Indicator

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