DRAGONFLY
aerospace
Cameras • Satellites • Components

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28-300-Battery Module

28V Lithium-ion Battery

ITAR-Free

TRL 9



Specifications

Topology	9s4p
Chemistry	LFP
Nominal Voltage	29.7 V
Design Capacity	297 Wh
Discharge - Continuous	20 A (600 W, 2C)
Discharge - Peak	40 A (1200 W, 4C for 60sec)
Charge Rate Recommended	≤ 12 A (1.2C)
EoC Voltage	32 V
Internal Resistance	50 mΩ
Communication Interfaces	SMBus, Direct Control Lines
Operating Temperature	-10 °C to 40 °C
Recommended Operating	+20 °C ±10 °C
Design Life	5 years in LEO
TID Screened	> 20 kRad

Protection

- Over / under voltage

Physical

Mass	4.8 kg (±20 g)
Dimensions	350 (L) x 108 (W) x 115 mm (H)

Additional Features

- Cell balancing
- SoC monitor
- Transport hibernation mode
- Fault isolation per string
- Health telemetry

ABOUT DRAGONFLY AEROSPACE

Dragonfly Aerospace is an industry leader in world-class, high-performance imaging satellites and payloads. Our turnkey solutions for imaging satellites get these strategic assets operational on orbit within minimum time, cost and risk.

All features, functionality and other product specifications are subject to change without notice or obligation.
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