

Voliro T Smart Batteries



Voliro Smart Batteries
Swap and Fly Without Interruption.

The hot-swappable Voliro T Smart Batteries get you back in the air in seconds, while real-time visibility into battery health, charge, and diagnostics reduces operational risk and keeps missions on schedule.



Key Advantages



Hot-swappable power

Swap batteries without powering down the Voliro T. Back in the air in under 20 seconds.



Built-in state of charge management

The batteries detect their own state and switch between flight, charging, and storage automatically.



All-temperature readiness

Self-heating enables operations in sub-zero environments as low as -10°C (14°F).



IATA-compliant for air travel

Compliant batteries designed for hassle-free travel that go wherever the job is.

Tech Features

- **Smart charger system:** Charges up to 3 battery pairs with 110 – 240V AC worldwide input and supports charging up to 40°C / 104°F.
- **Integrated status display:** On-battery LED indicators with push-button, displays state of charge, ready to fly.
- **Automatic storage protection:** Preserves battery longevity by preventing the degradation that occurs when batteries sit fully charged.
- **App telemetry:** displays real-time data including State of Charge (SOC), State of Health (SOH, and voltage for both batteries, giving operators visibility that hobby batteries simply don't provide.



Smart Batteries Technical Specifications

Battery type	LiPo (hardcase, UN3481)
Battery configuration	2 × 6S batteries in parallel
Energy	99 WH (a pair of batteries required)
Capacity	2× 4350mAh
Weight	1.3 kg / 2.87 lbs (per battery pair)
Charging cutoff voltage	26.1 V
Minimum voltage	21.6 V (no-load) Battery might get damaged if the voltage is lower
Recommended storage voltage	22.2 - 22.8 V
Recommended charging current	< 4,35 A or 1C
Charging temperature	10 - 30 °C / 50 - 86 °F
Charging time	< 90 min
Smart battery	Self-heating, self-discharge, and battery health monitoring
Material safety data sheet (MSDS)	IATA TABLE 2.3.A compliant for air travel — batteries must becarried in hand luggage.
*Available on request	
Charger type	Up to 3 battery pairs with 110 – 240V AC worldwide input and supports charging up to 40°C/104°F.
Charger input voltage AC	110 V AC / 240 V AC, 50 / 60Hz
Charger peak output power	500 W
Battery change	Hot-swappable
DC charging input	Dual USB-C Outputs — 30W per port

Contact

Learn more about Voliro Smart Batteries:

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