

Titan-Box GPU

Aircraft GPU

Battery Overview

Introducing the Titan-Box, a heavy-duty, high-capacity battery specifically engineered for aviation applications as a dedicated Ground Power Unit (GPU). This custom-designed GPU battery ensures maximum capacity and exceptional durability, making it ideal for the demanding environments typically found in aviation settings.

Key Features:

Durability: The battery enclosure is constructed from robust metal, enhancing durability.

Quick Charge Capability: Minimize downtime with its rapid charge feature, ensuring 100% availability and optimal productivity for operators.

Versatility: This battery is versatile enough to start aircraft without operational or incapacitated main starting batteries.

Temperature Resilience: Effectively operates in a wide range of temperatures, suitable for both extreme cold and heat, as detailed in the data sheet.

Safety: The Titan-Box battery chemistry boasts an unrivalled safety record, making it the ideal choice for aviation applications.

The Titan-Box is the optimal solution for aviation power needs, combining reliability, durability, and safety



Main Features

- Available in 24V 40Ah
- High Safety
- Fast charge
- Long cycle life – 20 000-30 000
- Wide temperature range
- Battery Management
- Excellent vibration resistance
- Very high instantaneous power delivery
- Standard 5 year warranty

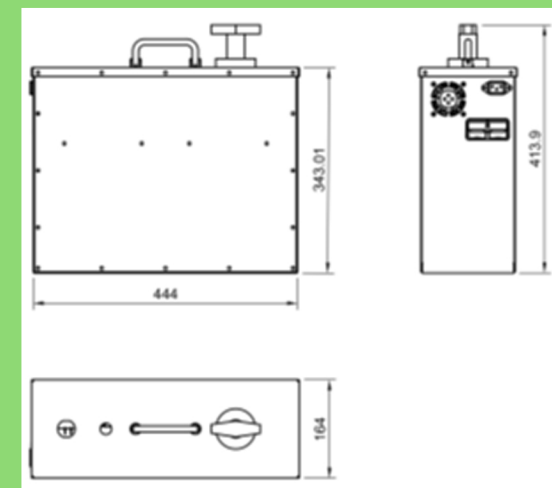
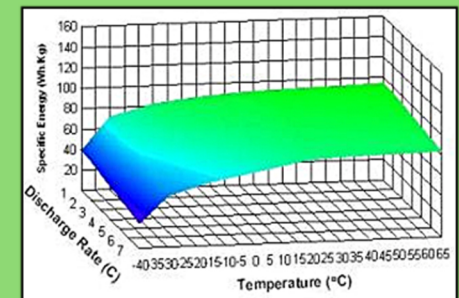
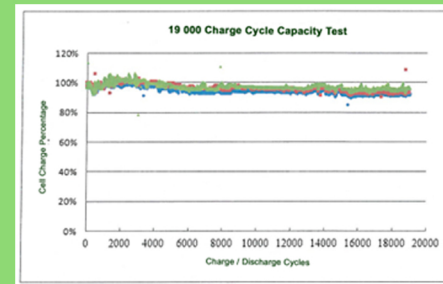
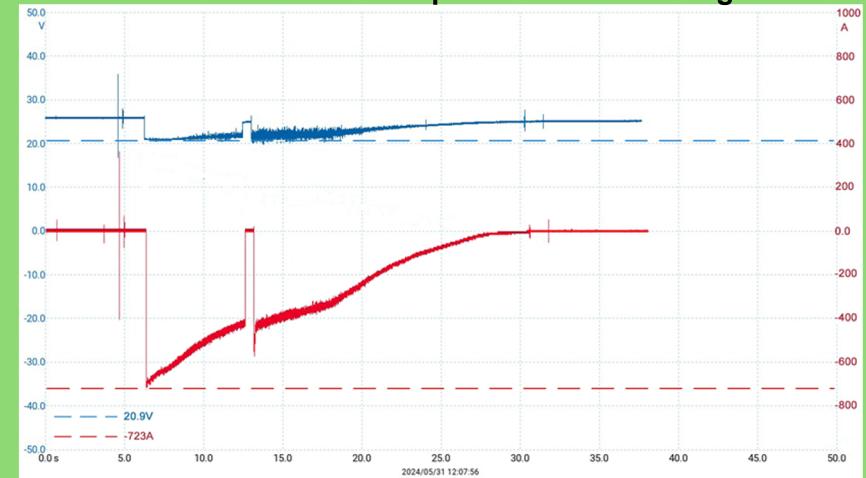
Suitable For

- Mining Vehicles
- Aviation Start applications
- Heavy Duty Commercial Vehicles
- Fire Engines
- Farming Equipment
- Military Applications



Battery Specifications		Titan-Box-24
Battery Modules		MTB-24-40
Chemical Technology		Lithium Titanate Oxide
Chemical Composition		Li ₂ TiO ₃
Nominal Battery Capacity		40 Ah
Nominal Cold Crank Amperage		900 A
Maximum Crank Amperage		1600A
Nominal Battery Voltage		25,3VDC
Working Efficiency		0.94
Standard Charging method		CC/CV
Charging time and current		Standard Charge at 20A (0.5C):2 hours Fast Charge at 200A (5C): 15 Minutes Rapid Charge at 400A (10C) < 10 Minutes
External Charging (CC-CV)	Max Charge Current	10C
	Charge Upper Voltage Limit	30,8V
Internal Charging (CC-CV)	Charge Current	13A
	Charge Time	3 hours
Discharge	Max Constant Discharge	10C
	Discharge Lower Voltage Limit	19,8V
Operational Thermal Ambient	Charging	-40°C ~ 75°C
	Discharging	-40°C ~ 75°C
Storage Thermal Ambient	Short-Term (1 Month)	-40°C ~ 75°C
	Long-Term (Within 1 Year)	-40°C ~ 75°C
Battery Terminals		Anderson 350A Plug
Storage Humidity		<70%
Battery Weight		24Kg
Battery Dimension		W444 x H414 x D164mm
Cycle Life		> 25 000 times

Alouette II Helicopter Turbine start Log



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