SOLID MASTER

A Division of SOLID ENERGIES

www.solidmasterbattery.com

SolidMaster 23.7V(6S)/32Ah: Solid-state Power for New-generation UAVs/Drones

Engineered for critical aerial operations, the SolidMaster 23.7V (~24V) solid-state battery delivers unmatched endurance and safety with military-grade compliance and quality assurance. Built on Solid Energies' proven solid-state technology, it empowers your UAV with:

Extended Operating Time: High energy density for longer flight duration and mission range.
Rapid Power Deployment: Supports high-power payloads and agile maneuvers with a 160A continuous discharge rate.
Uncompromising Safety: Solid-state architecture inherently eliminates leakage and thermal runaway risks.
Exceptional Longevity: Rated for 800+ cycles, this military-grade power source is built for a lower total cost of ownership.

Key Specs: 23.7V (6S) | 32Ah | 758 Wh | 160A Continuous Discharge | 800+ Cycles.

Items	Specification
Model Number	SMDB-024-032
Rated/Nominal Voltage	23.7V (Cell Count: 6S1P); Operation Volage: 21.3V - 26.7V
Nominal Capacity	32Ah
Battery Energy Stored	758Wh
Pack Energy Density	270Wh/kg
Max Continuous Discharge	160A (5C)
Max Pulse/Peak Discharge	320A (10C)
Max Charge	48A (1.5C); Charge Cut off voltage: 25.2V
Cycle Life	800 cycles (80+% SOH)
Dimensions	8.7" x 4.7" x 2.1" (220mm × 120mm × 52mm)
Weight	6.2 1bs (2.8 kg)
Operating Temp	Discharge: -20℃ to +60℃; Charge: 0℃ to +45℃
Storage Temp	-20℃~60℃; Storage Humility: <75%RH
Discharge/Charge Connector	AS150U