



SBM Battery

Accessory to the UXV Ecosystem

The SBM is an easy way to make sure to never run low on power when operating the Soldier Robotic Controller (SRoC). The Swappable Battery Module (SBM), will offer both charging and discharging when connected to the UXV Technologies SRoC, to maintain a sustainable source of power for the user. The SBM is the battery used for the UXV Technologies' SRoC Series of ground control stations. Their easy swappability and endurance makes them an efficient part of the UXV Ecosystem.

Mechanical

Environmental rating	Built to IP65
Dimension	2.36 × 2.87 × 0.86 inches / 60 × 73 × 22 mm (W x H x D)
Weight	0.38 lbs / 175 g
Mounting	Onto SBM Interface

Power

Chemistry	Li-ion
Cell Configuration	3S-1P
Voltage	10.8 V Nominally, 12.6 max floating voltage
Ampere-Hour	3.3 Ah, 4.20-3.0 V
Watt-Hours	35 Wh
Discharge Rate	10A

Nominal Load Profile

Electrical safety devices integralto battery	Three terminal fuse, active switch off for over-current, over-discharge, over-charge, over-voltage and under-voltage. Redundant over-charge and over-voltage protection.
Operating life (shelf life and functional life)	TBD
Battery Housing description	PC based polymer, UV Stabelized, UL f1/V-0/5VA rating, non-chlorinated, non-brominated flame retardant agents.

Human Interfaces

Sides	Battery sledges
Bottom	Battery interface

