



SOLOPACK™ LI-ION BATTERY

WHEN SIZE, WEIGHT, AND RELIABILITY COUNT

GALVION SOLOPACK™ BATTERY is a low-profile, rechargeable lithium-ion battery that packs the energy needed for a 12-hour mission. Weighing approximately a pound, the battery is small enough to fit in a magazine pouch. The rugged SoloPack™ is designed to plug-and-play, offering a high-power density and reducing the weight burden of carrying spare batteries.



KEY FEATURES

- Highest energy density in its class
- Push-button state-of-charge display
- SMBus v1.1 compatible
- Compact enough to fit in a rifle magazine pouch
- Can be recharged by Galvion's DBC, SPM, Max-8 or other NW compatible battery chargers
- Can be recharged while in flight. Certified safe-to-fly
- Designed, engineered, and manufactured in the United States.

APPLICATIONS

- Soldier Systems
- Portable Field Equipment
- Soldier Carried Advanced Sensors and Optics
- Precision Navigation Equipment
- Health Monitoring and Medical Equipment



SoloPack™, the lightest weight MDTs rechargeable tactical battery currently in its class, has a small form factor and is able to be mounted (or carried) in most standard rifle magazine pouches.

	PART NUMBER	NSN
SOLOPACK - MULTICAM CASE	014-436	6140-01-681-9407 (NATO)
SOLOPACK - COYOTE BROWN CASE	014-442	6140-01-667-1099 (NATIONAL)

TECHNICAL SPECIFICATIONS

DIMENSIONS	L 7.1" (181mm) x W 3" (77mm) x H 1.2" (30mm)	
WEIGHT	1.2lbs (550g)	
POWER	ENERGY DENSITY: 178 Wh/Kg NOMINAL VOLTAGE: 15.0 VDC MAX DISCHARGE: 5.0 A Continuous ENERGY: 98 Wh	VOLTAGE RANGE: 11.0 VDC to 16.8 VDC NOMINAL CAPACITY: 6.8 Ah @ C/5 @ 73.4°F (23°C) PEAK DISCHARGE: 15.0A < 3ms

SPECIFICATIONS

OPERATING TEMPERATURE	CHARGING: -4°F to +131°F (-20°C to +55°C) DISCHARGING: -26°F to +131°F (-32°C to +55°C) Note: A smart charger is required when charging below 32°F (0°C) or above 113°F (45°C)	
STORAGE TEMPERATURE	-25.6°F to +140°F (-32°C to +60°C)	
WATER IMMERSION	Waterproof at 1 meter for 30 min (per MIL-STD 810/IP67) or greater	
COMMUNICATION	SMBus v1.1	
CYCLE LIFE	>500 Cycles	
STATE OF CHARGE	5 LED Push Button Activated 20% Increments	
EMI	MIL-STD-461, CE101, CE102, CS114, CS115, CS116, RE101, RE102, RS103	
SAFETY	<ul style="list-style-type: none"> Over Voltage: 4.25 V Under Voltage: 2.25 V (per cell) Over Current Protection 5.25 A Re-settable Fuse: 158°F +/- 9°F Trip (70°C +/- 5°C) Permanent Fuse: 195.8°F (91°C) Re-settable short circuit protection: 15 A @ 3 ms 	
CHARGING	COMPATIBLE CHARGERS	NSN
	Squad Power Manager™ (SPM)	6130-01-626-9656
	Max-8™	6130-01-677-7011
	Desktop Battery Charger (DBC)	-
TRANSPORTATION	Class 9 Dangerous Goods. Contact Galvion for transportation requirements.	

CONNECTOR DETAILS

CONNECTOR: 6 PIN NETT WARRIOR COMPATIBLE NO VOLTAGE PROGRAMMING	 <p>MATING FACE VIEW OF RECEPTACLE SHOWN</p>	PIN	NAME
		1	BATTERY +
		2	BATTERY -
		3	BATTERY +
		4	SMBUS DATA
		5	SMBUS CLOCK
		6	SMBUS ID