



SOLOPACK™ 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

- 98 Wh/Kg
- Weighs only 1.2 lbs. (550 grams)
- Highest energy density in its class
- Wide operating temperature range: -25.6°F (-32°C) to 131°F (55°C)
- Push-button state-of-charge display
- SMBus v1.1 compatible
- Compact enough to fit in a Mag pouch
- Compatible with existing chargers and devices
- Can be recharged while in flight and connected to Squad Power Manager™ (SPM), which is certified safe-to-fly
- Designed, engineered, and manufactured in the United States.

APPLICATIONS

- Soldier Systems
- Portable field equipment
- Special Forces forward-operation equipment
- JTACS Communicators, EOD and other special users that conduct expeditionary missions



The SoloPack™, the lightest weight MOTS rechargeable military battery currently in its class, has a small form factor and is compatible with existing kits such as NATO ammo 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	1.2 lbs (550 g)	
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: 15.0 A

SPECIFICATIONS

OPERATING TEMPERATURE	CHARGING: -4°F to +131°F (-20°C to +55°C) DISCHARGING: -25.6°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
	Desktop Evaluation Charger	6130-01-542-5108
	Soldier Charger	6130-01-545-1983
	Nerv Centr Charger	6130-01-665-1842 (National Stock Number)
	BTC-70801	6130-01-495-2839
	BTC-70819	6130-01-555-7817
	BTC-70844	6130-14-533-1900
	BTC-70836	6130-01-527-2726
	BTC-70870 VMC Lite	6130-01-606-5296
BTC-70777 Combo Charger	6130-01-605-5858	
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>	<table border="1"> <thead> <tr> <th>PIN</th> <th>NAME</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>BATTERY +</td> </tr> <tr> <td>2</td> <td>BATTERY -</td> </tr> <tr> <td>3</td> <td>CHARGE +</td> </tr> <tr> <td>4</td> <td>SMBUS DATA</td> </tr> <tr> <td>5</td> <td>SMBUS CLOCK</td> </tr> <tr> <td>6</td> <td>SMBUS ID</td> </tr> </tbody> </table>	PIN	NAME	1	BATTERY +	2	BATTERY -	3	CHARGE +	4	SMBUS DATA	5	SMBUS CLOCK	6	SMBUS ID
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