



# 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)
- Bottom contact charging
- Push-button state-of-charge display SMBus v1.1 compatible
- Compact enough to fit in a Mag pouch
- Compatible with existing chargers and devices
- Next-generation Nett Warrior connector allows faster charging and additional current flow
- 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	<b>ENERGY DENSITY:</b> 178 Wh/Kg <b>NOMINAL VOLTAGE:</b> 15.0 VDC <b>MAX DISCHARGE:</b> 5.0 A Continuous <b>ENERGY:</b> 98 Wh	<b>VOLTAGE RANGE:</b> 11.0 VDC to 16.8 VDC <b>NOMINAL CAPACITY:</b> 6.8 Ah @ C/5 @ 73.4°F (23°C) <b>PEAK DISCHARGE:</b> 15.0 A

## SPECIFICATIONS

OPERATING TEMPERATURE	<b>CHARGING:</b> -4°F to +131°F (-20°C to +55°C) <b>DISCHARGING:</b> -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"> <li>Over Voltage: 4.25 V</li> <li>Under Voltage: 2.25 V (per cell)</li> <li>Over Current Protection 5.25 A</li> <li>Re-settable Fuse: 158°F +/- 9°F Trip (70°C +/- 5°C)</li> <li>Permanent Fuse: 195.8°F (91°C)</li> <li>Re-settable short circuit protection: 15 A @ 3 ms</li> </ul>	
CHARGING	<b>COMPATIBLE CHARGERS</b>	<b>NSN</b>
	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

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