



SOLOPACK™ BATTERY

WHERE SIZE, WEIGHT AND RELIABILITY COUNT

NERV CENTR 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 to power currently fielded equipment and reducing the weight burden of carrying spare batteries.



The Nerv Centr® SoloPack™, the lightest weight MOTS rechargeable military battery currently in its class, has a small form factor and is compatible with existing kit such as NATO ammo pouches.

KEY FEATURES

- Highest energy density in its class
- Fits inside M4 magazine pouch
- Push button activated state-of-charge display
- Wide operating temperature
- Compatible with existing chargers and devices
- NettWarrior Compatible
- SMBus v1.1 compatible
- Can be recharged while in-flight when connected to the Squad Power Manager™ (SPM) which is certified safe-to-fly

APPLICATIONS

- Soldier Systems
- Central power systems
- Portable field equipment
- Special Forces forward-operation equipment

	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

VOLTAGE RANGE	11.0 V to 16.8 V	
NOMINAL VOLTAGE	15.0 V	
NOMINAL CAPACITY	6.8 Ah @ C/5 @ 23°C (73.4°F)	
MAX DISCHARGE	5.0 A Continuous	
PEAK DISCHARGE	15.0 A	
ENERGY DENSITY	178 Wh/Kg	
WEIGHT	550 g (1.2 lbs)	
DIMENSIONS (MM)	181 x 77 x 30 (L x W x H)	
ENERGY	98 Wh	
CYCLE LIFE	>500 Cycles	
OPERATING TEMP	<ul style="list-style-type: none"> • CHARGING: -20°C to +55°C (-4°F to +131°F) • DISCHARGING: -32°C to +55°C (-25.6°F to +131°F) Note: A smart charger is required when charging below 0°C (32°F) or above 45°C (113°F)	
STORAGE TEMP	-32°C to +60°C (-25.6°F to +140°F)	
CONNECTOR	Glenair Mighty Mouse 807-216-01ZNU6-6SY	
COMMUNICATION	SMBus v1.1	
STATE OF CHARGE	5 LED Push Button Activated 20% Increments	
EMI	MIL-STD-461, CE101, CE102, CS114, CS115, CS116, RE102, RE101, RS103	
IMMERSION PROOF	Immersion proof to a depth of one meter as per MIL-STD-810 Method 512.6	
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: 70°C +/- 5°C Trip (158°F +/- 9°F) • Permanent Fuse: 91°C (195.8°F) • Re-settable short circuit protection: 15 A @ 3 ms 	
CHARGING	COMPATIBLE CHARGERS	
	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: GLENAIR MIGHTY MOUSE 807-216-01ZNU6-6SY NO VOLTAGE PROGRAMMING	 <p>MATING FACE VIEW OF RECEPTACLE SHOWN</p>	PIN	NAME
		1	BATTERY +
		2	BATTERY -
		3	CHARGE +
		4	SMBUS DATA
		5	SMBUS CLOCK
		6	SMBUS ID