



SHAREPACK® POWER MANAGEMENT SYSTEM

CONFORMAL, INNOVATIVE ENERGY SOLUTION

NERV CENTR SHAREPACK offers an innovative energy solution by integrating power provision and management capabilities into a lightweight, conformal unit.

The intelligently designed SharePack can store, deliver, harvest and share power, lessening the weight burden by eliminating cabling and the need to carry spare batteries. Offering flexibility, upgradable software and seamless plug-and-play, the system adapts to charge or provide power to a broad range of electronic devices and can be powered quickly by equipment such as a solar blanket or vehicle. Combining multiple SharePacks creates a larger energy reserve to support power-hungry ground equipment. The multi-functional LCD display provides real-time data on the battery capacity, details on connected equipment and available power.



The Nerv Centr SharePack is the lightest weight MOTS rechargeable military battery currently in its class, has a small form factor and is compatible with existing kit.

KEY FEATURES

- Two independent battery channels
- Integrated USB charger
- No dedicated charger required
- Built in energy scavenging and expansion
- Graphical State of Charge Display
- Can be charged from solar or vehicle power
- Can be recharged while in-flight when connected to the Squad Power Manager™ (SPM) which is certified safe-to-fly
- Able to charge or be charged from other compatible batteries
- Conforms to body for comfortable fit
- Compatible with NettWarrior systems
- Independent connectors, allows simultaneous charge and discharge

APPLICATIONS

- Soldier Systems
- Central power systems
- Portable field equipment

TECHNICAL SPECIFICATIONS

	PART NUMBER	NSN																				
SHAREPACK	4-1312-0001	6130-01-643-3001 (NATO Stock Number)																				
VOLTAGE RANGE	9.0 V - 36.0 V Field Programmable, 12.4 V - 16.8 V (Direct Mode)																					
NOMINAL VOLTAGE	12.4 V - 16.8 V (Direct Mode)																					
NOMINAL CAPACITY	10.4 Ah @ C/5 @ 23°C (73.4°F)																					
MAX DISCHARGE	5.25 A (Direct Mode) - 5.00 A Or 50.0 W (Fixed Mode)																					
PEAK DISCHARGE	5 A for 30 minutes (Direct Mode)																					
USB OUTPUT	5.0 V up to 2.5 A																					
ENERGY DENSITY	119 Wh/Kg, 173 Wh/L																					
WEIGHT	1280 g																					
DIMENSIONS (MM)	190 x 165 x 28 (L x W x H)																					
ENERGY	152 Wh																					
CYCLE LIFE	>1000 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	-40°C to +60°C (-40°F to +140°F)																					
CONNECTOR	2x Glenair Mighty Mouse 807-216-01ZNU6-6SY, 1x USB A																					
COMMUNICATION	SMBus v1.1 / USB 2.0																					
STATE OF CHARGE	Pixel graphic display																					
EMI	MIL-STD-461, CE101, CE102, CS101, CS114, CS115, RE101, RE102, RS101, 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: 4.35 V (per cell) • Under Voltage: 3.1 V (per cell) • Re-settable Fuse: 70°C +/- 5°C Trip (158°F +/- 9°F) • Re-settable Fuse: 50°C reset (122°F) • Permanent Fuse: 93°C (199.4°F) • Re-settable short circuit protection • Built-in current limiting 																					
CHARGING	Solar Panel (9-36 V), Vehicle Power, Battery to Battery																					
NOTE: Charge rate and experience will vary based on charger used. Use of Battery Eliminator cables with chargers should be avoided; instead, use the NettWarrior charging cable provided by charger manufacturer.	<table border="1"> <thead> <tr> <th>COMPATIBLE CHARGERS</th> <th>NSN</th> </tr> </thead> <tbody> <tr> <td>Desktop Evaluation Charger</td> <td>6130-01-542-5108</td> </tr> <tr> <td>Soldier Charger</td> <td>6130-01-545-1983</td> </tr> <tr> <td>Nerv Centr Charger</td> <td>6130-01-665-1842 (National Stock Number)</td> </tr> <tr> <td>BTC-70801</td> <td>6130-01-495-2839</td> </tr> <tr> <td>BTC-70819</td> <td>6130-01-555-7817</td> </tr> <tr> <td>BTC-70844</td> <td>6130-14-533-1900</td> </tr> <tr> <td>BTC-70836</td> <td>6130-01-527-2726</td> </tr> <tr> <td>BTC-70870 VMC Lite</td> <td>6130-01-606-5296</td> </tr> <tr> <td>BTC-70777 Combo Charger</td> <td>6130-01-605-5858</td> </tr> </tbody> </table>		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
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TRANSPORTATION	Class 9 Dangerous Goods. Contact Galvion for transportation requirements.																					

CONNECTOR DETAILS

CONNECTOR: GLENAIR MIGHTY MOUSE 807-216-01ZNU6-6SY SEE USER MANUAL PROGRAMMING OUTPUT VOLTAGE & CHARGING INSTRUCTIONS	 <p>MATING FACE VIEW OF RECEPTACLE SHOWN</p>	PIN	NAME
		1	PACK +
		2	PACK -
		3	CHARGE +
		4	SMBus Data/USB Data+
		5	SMBus Clock/USB Data -
		6	SBID