



NERV CENTR®



REVISION.



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.

SharePack® Power Management System

Conformal, Innovative Energy Solution

REVISION'S 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.

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





The SharePack's Graphic User Interface (GUI)

- Displays real-time data on available power and capacity
- Displays time remaining for current operation
- Has an intuitive menu; easy to navigate and configure the SharePack as desired

TECHNICAL SPECIFICATIONS

ITEM NUMBER	4-1312-0001	
NSN NUMBER	6130-01-643-3001	
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	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	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.	COMPATIBLE CHARGERS	NSN
	Desktop Evaluation Charger Soldier Charger BTC-70801 BTC-70819 BTC-70844 BTC-70836 BTC-70870 VMC Lite BTC-70777 Combo Charger	6130-01-542-5108 6130-01-545-1983 6130-01-495-2839 6130-01-555-7817 6130-14-533-1900 6130-01-527-2726 6130-01-606-5296 6130-01-605-5858
TRANSPORTATION	Class 9 Dangerous Goods Contact Revision Military for transportation requirements at power@revisionmilitary.com	

CONNECTOR DETAILS



PIN	NAME
1	PACK +
2	PACK -
3	CHARGE +
4	SMBus Data/USB Data +
5	SMBus Clock/USB Data -
6	SBID

CONNECTOR: GLENAIR MIGHTY MOUSE 807-216-01ZNU6-6SY
SEE USER MANUAL PROGRAMMING OUTPUT VOLTAGE & CHARGING INSTRUCTIONS

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