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.

**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.

**SOLOPACK BATTERY**
WHERE SIZE, WEIGHT AND RELIABILITY COUNT.

**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

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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.
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
• 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
• 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

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>NSN</th>
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<tbody>
<tr>
<td>Desktop Evaluation Charger</td>
<td>6130-01-542-5108</td>
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<td>Soldier Charger</td>
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<tr>
<td>Nerv Centr Charger</td>
<td>6130-01-661-1842 (National Stock Number)</td>
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<td>BTC-70870 VMC Lite</td>
<td>6130-01-606-5296</td>
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<tr>
<td>BTC-70777 Combo Charger</td>
<td>6130-01-605-5858</td>
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</tbody>
</table>

TRANSPORTATION
Class 9 Dangerous Goods.
Contact Galvion for transportation requirements.

CONNECTOR DETAILS

CONNECTOR: GLENAIR MIGHTY MOUSE 807-216-01ZNU6-6SY
NO VOLTAGE PROGRAMMING

PIN | NAME
--- | ---
1   | BATTERY +
2   | BATTERY -
3   | CHARGE +
4   | SMBUS DATA
5   | SMBUS CLOCK
6   | SMBUS ID