



**NERV CENTR®**



**REVISION.**



## Squad Power Manager™ (SPM) Special Forces Kit

Reduces battery load and enhances operational capabilities in austere environments.

*The Squad Power Manager™ (SPM) Special Forces Kit enables unimpeded operational use of mission-essential electronic equipment – regardless of the environment or infrastructure.*



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Often operating for prolonged periods in remote and austere environments, Special Operations Forces need flexible and dependable power solutions. Specifically designed to address their demanding requirements, the Special Forces Kit combines a Squad Power Manager with the cables and accessories for power sources and electronic equipment commonly available to U.S. and Allied SOF teams. With this kit, Special Operations Forces can scavenge power from any available source and automatically convert that power to reliably charge and run vital equipment. Uniquely versatile, intelligent, and rugged, the Squad Power Manager integrates with more than 200 types of electronic equipment, seamlessly supporting a wide range of configurations and shifting mission demands. The Special Forces Kit includes connectors for civilian and military batteries, vehicle power outlets, solar blankets, military radios, satellite communication systems, smart phones, tablets, laptop computers, and more.

- **PLUG-AND-PLAY** – Intelligent power management software and smart cable technology makes switching between power sources and connected devices intuitive and seamless
- **USAF CERTIFIED SAFE-TO-FLY** – Can be used while in-flight and/or connected to aircraft power. When used with the SPM, the Nerv Centr SoloPack and SharePack can be recharged while on board
- **FIELD PROVEN** – In use with all USSOCOM units, U.S. Army SFABs, and multiple international SOF units
- **SIX UNIVERSAL PORTS** – Delivers mission-critical capability, powering devices, managing energy sources, and charging up to five batteries – simultaneously, without any manual reconfiguration or reprogramming
- **RUGGED** – Fully ruggedized for military use, the Squad Power Manager withstands temperatures ranging from 30°C to 70°C, and can even operate when fully submerged in more than a meter of water
- **CUSTOMIZABLE** – The Squad Power Manager Special Forces Kit can be upgraded with additional cables to support UAS and UGV systems, field medical equipment, EOD equipment, power tools, sensing/imaging/targeting systems, and more



The Squad Power Manager can draw power from virtually any source – including solar blankets, worldwide AC outlets, scavenged batteries, and more.

## Technical Specifications

### PHYSICAL CHARACTERISTICS

<b>SIZE</b>	1.2" H x 4.4" L x 3.2" W (3.1cm H x 11.2 cm L x 8.1 cm W)
<b>WEIGHT</b>	1.0 lb. (453.59 grams)
<b>CONNECTORS</b>	6x Glenair® Series 80 Mighty Mouse 7-pin; bi-directional
<b>GRAPHICAL DISPLAY</b>	Backlit LCD screen displays all power levels & remaining mission time
<b>CONTROL KEYPAD</b>	Up, Down, Enter and Escape buttons
<b>OPERATING TEMPERATURE</b>	-20 to 60°C
<b>STORAGE TEMPERATURE</b>	-30 to 70°C
<b>IMMERSION RESISTANCE</b>	Waterproof at >1m for >30m (as per MIL-STD-810 Method 512.6)
<b>MILITARY TESTING</b>	Meets MIL-STD-810G and MIL-STD-461F

### ELECTRICAL CHARACTERISTICS

<b>PORT VOLTAGE</b>	4–34V DC
<b>PORT MAX POWER</b>	150 Watts (14V nom), 300 Watts (28V nom)
<b>PORT MAX CURRENT</b>	10 Amps
<b>PORT PROTECTION</b>	Over-voltage, Over-current, Short-circuit, Reverse Polarity, Surge, ESD
<b>SMART CHARGING</b>	SMBus 1.1 and SMBus 2.0 Support, All Ports
<b>DATA INTERFACE</b>	USB Port
<b>HARVESTER PORTS</b>	Up to Two (with MPPT)
<b>POWER INPUTS</b>	Any DC source in 4–34V range (worldwide AC sources with converter)

### SUPPORTED ELECTRONICS

<b>BATTERY COMPATIBILITY</b>	Virtually all standard military issue, MOTS, and COTS batteries; including BB-2557 / -2590 / -2600 / -2800, CWB, CSEL, 12 / 24V vehicle, SoloPack™ and SharePack®; Snap-on®, DeWalt® and Milwaukee® tool batteries*, and more...
<b>CABLES AND ADAPTERS</b>	Connect and power over 200 types of electronic gear, including: <ul style="list-style-type: none"> <li>• Radios and Communications equipment</li> <li>• Specialist Explosive Ordnance Demolition gear</li> <li>• GPS, targeting and imaging equipment</li> <li>• Laptops, tablets and smart phones</li> <li>• Prolonged Field Care medical equipment</li> <li>• Unmanned Systems platforms and controllers</li> </ul>

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