



# Squad Power Manager

## SPM-622



**Power all your gear, all the time, in any environment.**

NERV CENTR SQUAD POWER MANAGER (SPM) integrates with more than 200 varieties of batteries and electronic equipment, seamlessly supporting a wide range of missions and shifting user demands.

The Squad Power Manager can draw power from any source – vehicle or aircraft power outlet, solar blanket, primary and secondary batteries, and more – anywhere in the world. With its built-in intelligent power management software, the Squad Power Manager can power a variety of equipment and recharge batteries simultaneously – no reprogramming required.

A true plug-and-play solution, the Squad Power Manager reduces weight, streamlines logistics, scavenges power from any available source on the battlefield, and, above all, keeps your equipment up and running when it matters most.

NEVER RUN OUT OF POWER

# Specifications

## Physical

### Dimensions

- 1.2" H x 4.4" L x 3.2" W
- 3.1cm H x 11.2 cm L x 8.1 cm W

### Weight

- 1.0 lb.
- 453.59 grams

### Connectors

- 6x Glenair® Series 80 Mighty Mouse 7-pin; bi-directional

### Graphical Display

- Backlit LCD screen displays all power levels & remaining mission time

### Control Keypad

- Up, Down, Enter and Escape buttons

## Environmental

### Operating Temperature

- -20°C to 60°C

### Storage Temperature

- -30°C to 70°C

### Immersion Resistance

- Waterproof at >1m for >30m (as per MIL-STD-810 Method 512.6)

### Ruggedness

- Meets MIL-STD-810G and MIL-STD-461F

## Power

### Port Voltage

- 4-34V DC

### Port Max Power

- 150 Watts (14V nom), 300 Watts (28V nom)

### Port Max Current

- 10 Amps

### Port Protection

- Over-voltage, Over-current, Short-circuit, Reverse Polarity, Surge, ESD

### Smart Charging

- SMBus 1.1 and SMBus 2.0 Support, All Ports

### Data Interface

- USB Port

### Harvester Ports

- Up to Two (with MPPT)

### Power Inputs

- Any DC source in 4-34V range (worldwide AC sources with converter)

## Battery Compatibility

- Connect and power over 200 types of electronic gear, including:
  - Radios and Communications equipment
  - Specialist Explosive Ordnance Demolition gear
  - GPS, targeting and imaging equipment
  - Laptops, tablets and smart phones
  - Prolonged Field Care medical equipment
  - Unmanned Systems platforms and controllers

## Battery Compatibility

- Virtually all standard military issue, MOTS, and COTS batteries; including :
  - BB-2557 / -2590 / -2600 / -2800
  - CWB, CSEL
  - 12 / 24V vehicle
  - SoloPack™
  - SharePack®
  - Snap-on®
  - DeWalt®
  - Milwaukee® tool batteries\*, and more...

## FIELD-PROVEN

In use with all U.S. DoD branches – including USSOCOM units, U.S. Army SFABs, as well as international special operations units – and the U.S. Army Nett Warrior Program Of Record

## 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

## COMPACT AND EFFICIENT

Helps ground troops reduce their weight burden and operate more effectively – especially in remote or austere environments

## BROAD COMPATIBILITY

Ensures continuous operation of mission-critical equipment – radios, satellite phones, GPS units, tablets, laptops, medical equipment, EOD equipment, power tools, UAV batteries, and more

## SIX UNIVERSAL PORTS

Power devices, manage energy sources, and charge 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 operate when fully submerged in more than a meter of water

