



# Individual Power Manager

IPM



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

NERV CENTR INDIVIDUAL POWER MANAGER (IPM) is the next generation of rugged, intelligent and portable power management. Smaller, lighter and more streamlined than other portable power management solutions, the IPM integrates with more than 200 types of batteries and electronic equipment, seamlessly supporting a wide range of missions and shifting user demands.

The Individual 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 IPM can power a variety of equipment and recharge batteries simultaneously – no reprogramming required. A true plug-and-play solution, the IPM 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

 **GALVION**

# Specifications

## Physical

### Case Size

- 3.7" W x 2.5" L x 0.68" H
- 9.4cm W x 6.4cm L x 1.7cm H

### Weight

- 6 oz.
- 170 grams

### Connectors

- 3x Glenair® Mighty Mouse™ 7-pin; bi-directional

### Graphical Display

- LCD screen displays all power levels & remaining mission time

### Control Keypad

- Up, Down, Enter and Escape buttons

### Smart Charging

- SMBus 1.1 and SMBus 2.0 Support, All Ports

### Data Interface

- USB Port

## Scavenger Ports

- Two (with MPPT)

## Power Inputs

- Any DC source in 7–50V range (worldwide AC sources with converter)

## Parasitic Power

- 0.5 Watts

## Electrical Efficiency

- 90-97%

## Environmental

### Operating Temperature

- -20°C to 60°C

### Storage Temperature

- -30°C to 70°C

### Military Testing

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

### Immersion Resistance

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

## Power

### Battery Voltage

- 10-34 VDC (14.4/28.8 nominal)

### Port Max Current (Bus/Native)

- 6.5 A

### Port Max Power (Converter)

- 5 A

### Converted Output Voltage

- 5-34 VDC

### Scavenger Input Voltage

- 7-50 VDC

### Port Protection

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

## Battery Compatibility

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

## Cables and Adapters

- 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

## COMPACT AND EFFICIENT

Helps the individual soldier reduce the 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

## THREE BI-DIRECTIONAL PORTS

Power devices, manage energy sources, and charge up to two batteries – simultaneously, without any manual reconfiguration or reprogramming

## RUGGED

Fully ruggedized for military use, the Individual Power Manager withstands temperatures ranging from -20°C to 60°C, and can operate when fully submerged in more than a meter of water



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