



NERV CENTR®



REVISION.



The Nerv Centr® Individual Power Manager™ supports a wide range of military operations by integrating seamlessly with batteries and electronic equipment.

Individual Power Manager™

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

THE 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.

- **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



Quick-connect, smart cable technology delivers true plug-and-play performance – no reprogramming or reconfiguration required for different devices or batteries.

Technical Specifications

PART NUMBER	014-241
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PHYSICAL CHARACTERISTICS

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
OPERATING TEMPERATURE	-20 to 60°C
STORAGE TEMPERATURE	-30 to 70°C
IMMERSION RESISTANCE	Waterproof at 1 meter for >30 mins (as per MIL-STD-810 Method 512.6)
MILITARY TESTING	Meets MIL-STD-810G and MIL-STD-461F

ELECTRICAL CHARACTERISTICS

BATTERY VOLTAGE	10-34 VDC (14.4/28.8 nominal)
PORT MAX CURRENT (BUS/NATIVE)	6.5 A
PORT MAX POWER (CONVERTER)	90 W
PORT MAX CURRENT (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
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%

SUPPORTED ELECTRONICS

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: <ul style="list-style-type: none"> • 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

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