Navionics Research Inc. Is Pleased to Introduce a Premium Online Battery Backup System!

NRI’s new online Uninterruptible Power Supply (UPS) with LCD control panel and sine wave output is offered as a power safeguard for SCADA Servers, RTU’s, and any communication/networking hardware that requires seamless power correction.

Traditional (Standby) UPS Technology: In a traditional (standby) UPS, the UPS directs utility power to the computer via a bypass circuit until there is a power loss; and then the UPS switches to a battery-generated voltage. Although this switch-over occurs quickly, the transfer time is non-zero. In most cases, a standby UPS is adequate. However, in certain instances, the non-zero switch-over time can be problematic.

Online/Double-Conversion UPS Technology: In an online/double-conversion UPS, the connected computer is always powered by a battery-generated voltage; and the battery is in a continual state of re-charging, except during times of power outage. Therefore, no switch-over time or power glitch is ever seen by the connected computer.

Our premium UPS offers an Online/Double-Conversion Topology, which is generator compatible, delivers consistent and clean AC power with zero transfer time. Benefits include extra protection for connected equipment and prevention of costly operational interruptions.

Auto-bypass insures connected equipment continues to operate seamlessly when an overload or internal fault is detected.

A configurable ECO Mode improves UPS efficiency to 93% and reduces electrical and cooling costs. Smart Battery Management (SBM) uses a 3 cycle charging mode to improve battery life while reducing heat being generated.

Features

- 1,500VA / 1,350W
- Double Conversion Topology
- Selectable Outputs - 100, 110, 115, 120, 125V
- Extendable LCD Control Panel
- Power-Saving ECO Mode
- 2U Rack Mount/Tower Convertible
- SNMP/HTTP Remote Management
- 8 Outlets / USB, Serial, and EPO and Dry Contact Ports
- Software Management Tool

Pricing

- $1,128
- Includes UPS Ground Shipping
- User-Installation of Hardware
- NRI SCADA Integration via TeamViewer RAS

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### GENERAL
- **UPS Topology**: Double Conversion
- **Energy Saving**: ECO Mode Efficiency >93%
- **ENERGY STAR® Qualified**: Yes

### INPUT
- **Voltage**: 100Vac-125Vac
- **Input Voltage Range**:
  - 60Vac-69Vac for 0-60% Load, 70Vac-79Vac for 0-70% Load, 80Vac-89Vac for 0-80% Load, 90Vac-95Vac for 0-90% Load, 96Vac-150Vac for 0-100% Load
- **Input Frequency Range**: 40Hz – 70Hz (auto-sense)
- **Input Power Factor**: 0.99
- **Cold Start**: Yes
- **Plug Type**: NEMA 5-15P
- **Cord Length**: 10 Ft.

### OUTPUT
- **VA**: 1500
- **Watts**: 1350
- **On Battery Voltage**:
  - 100, 110, 115, 120, 125Vac (Configurable) ± 2%
- **On Battery Frequency**:
  - 50/60Hz (Auto-Sensing or Configurable) ±0.25Hz
- **On Battery Waveform**: Sine Wave
- **Outlets – Total**: 8
- **Outlet Type**: NEMA 5-15R (8)
- **Rated Power Factor**: 0.9
- **Crest Factor**: 3:1
- **Harmonic Distortion**: THD <3% at Linear Load, <5% at Non-Linear Load
- **ECO Mode Voltage Regulation**: ±10%, ±15% (Configurable)
- **Overload Protection**:
  - Line Mode: 105~125% Load for 1 min, 126~150% Load for 10 sec, Battery Mode: 105~130% Load for 10 sec, 131~150% Load for 2 sec
- **Bypass**: Internal Bypass (Automatic and Manual)
- **Transfer Time**: 0 ms

### BATTERY
- **Runtime at Half Load**: 11 min
- **Runtime at Full Load**: 3.4 min
- **Battery Type**: Sealed Lead-Acid
- **Battery Size**: 12V/9AH
- **Hot-Swappable**: Yes
- **Battery Quantity**: 3
- **User Replaceable**: Yes
- **Typical Recharge Time**: 4 Hours
- **Smart Battery Management Mode**: Yes

### SURGE PROTECTION & FILTERING
- **Surge Suppression**: 1,335 Joules – IEC 61000-4-5 Level 3
- **Phone RJ11 / Ethernet RJ45**: 1-In, 1-Out (Combo)
- **EMI/RFI Filtration**: Yes

### MANAGEMENT & COMMUNICATIONS
- **LCD Control Panel**: 43 different settings or status options via the Status Menu, Setup Menu, and Run Testing Menu
- **Rotatable LCD Control Panel**: Yes
- **Extendable LCD Control Panel**: Yes, Requires separate DB25 Cable
- **HID Compliant USB Port**: Yes
- **Serial Port**: Yes
- **EPO Port**: Yes
- **Dry Contacts**: Yes
- **Management Cable**: USB Cable, Serial Cable
- **LCD Indicators**:
  - Power On (White), On-Line Mode (Green), Battery Mode (Yellow), Bypass Mode (Yellow), Fault (Red), Replace Battery (Red)
- **Audible Alarms**:
  - Battery Mode, Battery Low, Overload, UPS Fault, Replace Battery
- **SNMP / HTTP Remote Monitoring**: Yes, with optional RMCARD303 or RMCARD302

### PHYSICAL
- **Rack Size**: 2U
- **Form Factor**: Rack/Tower
- **Mounting Hardware**: Included
- **Enclosure Construction**: Steel
- **Dimensions (WxHxD)**: 17 in. x 3.5 in. x 16.9 in.
- **Weight**: 39.6 lbs.

### ENVIRONMENTAL
- **Operating Temperature**: 32°F to 104°F
- **Operating Rel Humidity**: 0-90% non-condensing
- **Operating Elevation**: 0-10000 Ft.
- **Storage Temperature**: 5°F to 113°F
- **Storage Rel. Humidity**: 0-95% non-condensing
- **Storage Elevation**: 0-50000 Ft.
- **Online Thermal Dissipation**: 512 BTU/Hr.
- **Audible Noise at 1.5M**: 55 dBA

### CERTIFICATIONS
- **Safety**: UL1778, CSA C22.2 NO.107.3-05, FCC DOC Class A
- **Environmental**: ROHS Compliant

### WARRANTY
- **Product Warranty**: 3 Years Limited

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