



Premium Online UPS

MAXIMUM POWER PROTECTION FOR
MISSION-CRITICAL SCADA APPLICATIONS



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 ensures 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

- **\$1,422 (call for updated quote)**
- 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