Hot Swappable Series

Front Panel Battery Access Allows for Continuous **Operation - Even During Battery Maintenance**

The Hot Swappable Series UPS is Power Factor Corrected (PFC) on the input to near unity. Therefore, when non-linear loads requiring apparent power are present, only real power is reflected on the input utility line. This ensures efficient use of electricity and preventing harmful load harmonics from re-entering your electrical system.

TRUE ON-LINE, DOUBLE-CONVERSION TECHNOLOGY

Unlike Standby (Off-Line) and Line-Interactive UPS products which only work parttime, this True On-Line design provides power 100% of the time. The design provides a precise, digitally processed, output sine wave synthesized by an internal microprocessor.

RELIABILITY

NOVA Power Solutions delivers power quality in harsh environments ranging from the arctic to the desert, as well as on and under the sea. Our products are designed and manufactured with long-standing performance particularly suited for rigorous applications.

LIFECYCLE

NOVA Power Solutions provides maximum lifecycle benefits from design through sustainment. Our focus on quality and efficiency results in reduced costs and becomes a concentrated value to our customers over the course of an extensive product lifecycle.

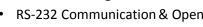
PRODUCT SUPPORT

NOVA Power Solutions delivers award winning technical support, customer service, and expert knowledge that provides unsurpassed power protection to missioncritical electronics throughout the world.

KEY FEATURES:

- 5x Inrush Current Limit
- User Replacement, Hotswappable Battery Pack
- Power Factor Corrected; Wide Input
- True On-Line design

- Dipole Circuit Breaker
- Wide operating temperature range
- Rear mounted ground stud
- RS-232 Communication & Open-**Collector Signal Ports**







Product Series Datasheet



- Hot-swappable Battery Drawer
- EMI Suppression Technologies
- Inverter powers load continuously
- Ruggedized steel and aluminum lightweight chassis available
- Dipole breaker on front panel
- Ruggedized internal structure
- Cold Start feature
- Integral slide mounts and spacers
- Fits most 19" rack applications; available design for ATCA Chassis
- NEW: Integrator-Reversible Airflow
- Auxiliary battery trays available for additional run time
- Optional SNMP Network Agent (SNMPv3 & IPv6)
- Many input & output connector configuration available

Product Series Overview

BENEFITS:

- NEW: Hot-swappable Battery Drawer
- NEW: Integrator-Reversible Airflow
- Ruggedized COTS UPS
- MIL-STD 1399, Section 300B
- True Online UPS
- Designed for non-linear loads
- Customizable to fit your specific application and requirements
- Electrically Isolated Input
- Manual & Internal Automatic Bypass
- Battery backup runtime to meet your requirements

Sold Exclusively through:

NOVA POWER SOLUTIONS, INC.

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ELECTRICAL	
Power Factor Corrected	IAW MIL-STD 1399, Section 300B
Input Voltage	115VAC (100, 110, 115, 117, 120, 125)
	230VAC (220, 230, 240)
Input Frequency	
Output Fragues av	
	60Hz (standard), 50Hz, or Line Sync (software select) Up to 4.8:1 (@50% Load)
	Up to 3.2:1 (@75% Load)
(typical)	Up to 2.4:1 (@100% Load)
Harmonic Distortion	5% Max. THD (@80% Non-linear load)
	±4% for 100% Step Load Change, 500μs Recovery Time
	5x of nominal input current
	110% for 10 minutes; 200% for 50ms
	85% (@ full load)
UPS Protection	Input and Output Short Circuit: Input and Output Overload:
	Low-Voltage Battery Cut-off
ENVIRONMENTAL	
	32°F to 122°F (0°C to 50°C)
	0% to 95% Non-condensing
	Sea Level to 10,000 Feet
	39-42 dBA at Five Feet
MECHANICAL	
	Low Velocity, Temperature Controlled Reversible Forced Air
	Front to Rear standard (reversible)
installation	Fixed left and right handles in front and rear
Battery	Sealed Rechargeable Lead-Acid (non-hazardous, non-spillable)
·	AMP CPC Locking Inlet; MIL-SPEC, IEC
·	AMP CPC Locking Inlet, MIL-SPEC, IEC
STANDARDS	UI 1779 decign, MIL STD 1200 Sec. 2000, 167 14, 001D, 1474D 9
	UL 1778 design; MIL-STD 1399 Sec. 300B, 167-1A, 901D, 1474D & most elements of 810G & 461F (in a properly shielded & isolated
	rack) as applicable to shipboard environments
	In Excess of 100,000 Hours (based on service records)
CONTROLS AND INDICATORS	Potto velocial Local Local
	Battery Level, Load Level AC Input, Inverter On, Bypass On, On Battery, Fault,
Single LED	Cold Start, AC Output, Replace Battery
Front Panel Controls	System On/Off, AC Input On/Off, Cold Start, Fault Silence, Battery Test, AC Output On/Off, Manual Bypass
Audible Alarms	Utility Interrupt, Inverter Failure, Overload, Low Battery, Self-test
RS232 Data Interface (DB-25F):	Full Interactive, Remote Computer Monitoring and Control of UPS Functions. Compatible with Megatech and SEC protocols
Open-Collector (DB-25F):	Allows Alarm Function Monitoring
Optional SNMP Interface (RJ45):	Allows Full Control and Monitoring Over Network Connection.

OPTIONS

Others Please contact us to discuss all options.

Part Number	Nominal Apparent Power (VA)	Actual Output Power (W)	Input Voltage	Output Voltage	Internal Battery (Swappable)?	Can provide External Battery Backup?	Dimensions (H x W x D)	Approximate Weight (lbs)
NPS-1250	1250	875	115VAC	120VAC	Yes	Yes	5¼" x 17" x 17"	92
*NPS-1251	1250	875	115VAC	120VAC	Yes	Yes	1¾" x 17" x 22½"	33
*NPS-1252	1250	1000	115VAC	120VAC	Yes	Yes	3½" x 17" x 24"	60
NPS11-2400	2400	1680	115VAC	120VAC	Yes	Yes	5¼" x 19" x 23"	120
*Unit has the capability of DC input and a wide input range from 80-265VAC								