

Rugged UPS 2500

80-265VAC 40-440Hz Input, 115VAC 60Hz Output

FEATURES:

Flow Through Design

A unique heat sink tunnel design provides maximum cooling while sealing components from the damaging effects of moisture, airborne particles, and other contaminants in the operating environment.

Power Factor Corrected, Wide Input

The **rugged UPS** accepts a wide range of voltage and frequency inputs while providing seamless active power-factor correction and clean, reliable DC power.

On-line

This true on-line, double conversion uninterruptible power supply continually provides a clean DC bus, thus protecting sensitive equipment from surges, spikes, brownouts, blackouts, and noise.

User-Replaceable Battery Pack

Zero-maintenance, valve-regulated lead acid batteries are enclosed in a user-replaceable battery pack for rapid, hot-swap field replacement.

Aluminum Chassis

The **rugged UPS** is housed in a compact, lightweight chassis. All aluminum, welded construction allows overall weight of the unit to be minimized while still maintaining high durability.

Wide Operating Temperature Range

A rated operating temperature range of -18°C to $+50^{\circ}\text{C}$ (0°F – 122°F) makes this UPS the product of choice for extreme environments.

Communication Ports

The microprocessor-controlled **rugged UPS** is equipped with a 9-pin communication port for user interface and remote monitoring capable and is RS232-capable. Optional SNMPv3 interface also available.

OPTIONAL FEATURES:

Rackmount

Stainless steel slide rail kits are available to fit 19" racks, depths 24-32"

NOVA
POWER SOLUTIONS, INC.

Product Datasheet



The **NPS2500 rugged UPS** is designed for worldwide deployment in harsh physical and electrical environments.

Our rugged UPS 2500 is uniquely suited for use in demanding remote or mobile applications.

The rugged UPS provides 2000W of nominal 48VDC output from an input range of 80-265 VAC/47-400Hz. This wide voltage and frequency tolerance enables users to power up with field generators in any international power standard.

Our durable and versatile UPS system contains advanced on-line technology to provide highly reliable power back-up and conditioning for the most sensitive electronic devices.

Product Datasheet

BENEFITS:

- Protects sensitive equipment from surges, spikes, brownouts, blackouts, noise
- Easy to maintain
- Won't fail in heat or cold
- Easy to monitor
- Battery-backup capable.

Sold Exclusively through
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MODEL: NPS2500R-XR

80-265VAC Input, 115VAC Output, Full Battery

INPUT SPECIFICATIONS	
Input AC Voltage	80-265 VAC, single-phase
Input AC Frequency	47-400 Hz
Optional Input DC Voltage	22-32VDC
AC Input Circuit Breaker	40A
Input Power Factor	0.99 typical
Efficiency with 2000W load	AC η = 0.86, DC η = 0.82
OUTPUT SPECIFICATIONS	
Continuous Output Power	2500VA/2000W
Peak Output Current	44A
AC Voltage/Frequency	115VAC \pm 5%, 60Hz \pm 1/2%
Total Harmonic Distortion	1.5% with 2000W resistive load
ENVIRONMENTAL	
Operating Temperature	-18° C to 50° C (without battery -30°C to 65°C)
Storage Temperature	-32° C to 66° C (without battery -40°C to 70°C)
Humidity	10% to 95% (non condensing)
Altitude	Operating: 0 to 15,000 ft Non-operating: 0 to 40,000 ft
Rain	Operates in blown precipitation
STANDARDS	
Electrical	MIL-STD-1399, Section 300A
EMI	MIL-STD-461E: RE102, CE102, CS101, RS103, CS114
Shock	Packaged MIL-STD-810F Method 516.4 IV, VI Operating MIL-STD 901D, grade A, class II, type B
Vibration	MIL-STD-167-1, type I vibration MIL-STD-810F Cat. 8, Procedure I
BATTERY SPECIFICATIONS	
Battery	Two ea. 12VDC 33Ah
Type	Zero-maintenance VRLA
Typical Run Time	8½ minutes at full load
Recharge Time	4 hours to 90%, 8 hours to 100% temperature compensated float voltage
MECHANICAL	
Chassis Size (H x W x D)	7" x 17" x 21"
Envelope size (H x W x D)	7" x 18.33" x 22.75"
Weight	135 lbs. (85 lbs. w/o battery pack)
Connectors	(MIL-C-5015 type) AC Input: CA02COME22-2PB AC Output: CA02COME22-2SB DC Input: CA02COME28A-16PB [optional]