

# Industrial UPS 700

## *Developed for Worldwide Deployment in Harsh Physical and Electrical Environments*

### PURPOSE AND CAPABILITIES

The NOVA Power Industrial UPS 700 is designed for worldwide deployment in harsh physical and electrical environments. This unit is uniquely suited for use in demanding shipboard and mobile applications. The industrial UPS provides 700VA of nominal 115VAC output from an input of 80-265VAC/47-63Hz. This wide voltage and frequency tolerance enables the industrial series to operate from generators in the field or any international power standard.

Optional shipboard models incorporate a double-pole circuit breaker approved for use with shipboard Delta power. This durable and versatile system contains advanced on-line technology to provide highly reliable power back up and conditioning for the most sensitive electronic devices.

### STANDARD FEATURES

**Power Factor Corrected, Wide Range Input-** The industrial UPS accepts a wide range of voltage and frequency inputs while providing seamless active power factor correction and clean, reliable AC power.

**On-line-** This true on-line, double conversion uninterruptible power supply continually creates a pure sine wave AC output from a DC bus, thus protecting your 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 designed for rapid, hot-swap replacement in the field.

**Aluminum Chassis-** The industrial 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.

**Weather Resistant-** A gasket sealed enclosure and filtered air intake protects internal electronic components from the damaging effect of airborne contaminants in the operating environment.

**Extended Operating Temperature Range-** A rated operating temperature range of -18°C – 50°C (0°F – 120°F) makes this UPS the product of choice for extreme operating environments.

**Communication Port-** The microprocessor controlled industrial UPS is equipped with a 9-pin communication port for user interface and remote monitoring.

### OPTIONAL FEATURES

**Shipboard-** The industrial UPS is available with an optional double-pole circuit breaker for use with shipboard Delta power.

**Rackmount-** Stainless steel, slide rail rackmount kits are available to fit 19" racks, depths 20 – 32".

**NOVA**  
POWER SOLUTIONS, INC.

## Product Overview



## Features:

- True On-Line, Double Conversion UPS
- Power Factor Corrected, Wide Range Input
- Hot-swappable User-Replaceable Battery Pack
- Weather Resistant
- Extended Operating Temperature Range

## Product Overview

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## Features and Specifications

### MODELS

#### NPS700D: AC Input, AC Output, Battery

##### INPUT SPECIFICATIONS

Input AC Voltage	80-265 VAC
Frequency	47-63Hz
AC Input Circuit Breaker Rating	20A
Input Power Factor	.99 Typical
Efficiency with 500W Load	Acu = .80

##### ENVIRONMENTAL

Operating Temperature	-18° C to 66° C
Storage Temperature	-32° C to 66° C
Humidity	10% to 95% Non-condensing
Altitude	0 to 10,000 Feet (operating) 0-40,000 Feet (non-operating)
EMI	FCC Class A

##### OUTPUT SPECIFICATIONS

Continuous Output Power	700 VA/500W
Load Crest Power	2.2 Continuous
AC Output Voltage)	115 VAC +/- 5%
AC Output Frequency	60Hz +/- .5%
AC Output Waveform	Sinusoidal
THD (Total Harmonic Distortion)	1.5% with 500W resistive load

##### BATTERY SPECIFICATIONS

Battery	Three 12V/7Ah
Type	Zero-maintenance VRLA
Typical Run Time	11 minutes at full load
Recharge Time	2 Hours to 90%

##### MECHANICAL

Chassis Size	(HxWxD) 3.5x17x16
Weight	44 lbs.
Connectors	AC Input: 6 line cord with NEMA 5-15P AC Output: (6) NEMA 5-15R