



# POWER CONDITIONER USER'S MANUAL

For use with 208 or 240 VAC 60 Hz systems



**Model Numbers for 208 or 240 VAC in 208,240/120 out 60Hz**

**NPT 2000, 2300, 2500, 2800, 3000, 3300, 3500, 3800, 5000, 5800, 6000, 7000**



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# 1.0 INTRODUCTION

## Thank You

Thank you for purchasing an **NXT POWER** Isolation Transformer-Based Power Conditioner. This power conditioner provides the highest level of electrical noise and surge filtering against electrical power disturbances. This power conditioner will protect your sensitive electronic equipment from the degrading and damaging effects of AC-line based electrical noise and surges (Between Line - Line, Line - Neutral and Neutral - Ground).

This exclusive **NXT POWER** product you have purchased protects and provides clean power to your system. We have prepared this document to help familiarize you with the functions and controls of the product. If you have any additional questions after reviewing this manual, please feel free to contact our technical support team by phone (877-NXT-POWR) or email us at [service@nxtpower.com](mailto:service@nxtpower.com).

# 2.0 SAFETY GUIDELINES

Symbol	Description
	<b>DANGER</b> - High risk hazard that could, if not avoided, can result in serious injury or death.
	<b>WARNING</b> - Medium or low risk hazard that could, if not avoided, can result in moderate or minor injury.
	<b>CAUTION</b> - Potentially hazardous situation that could, if not avoided, result in equipment damage, data loss, performance deterioration, or unanticipated results.
	<b>ANTI-STATIC PROMPTING</b> – Observe precautions for handling.
	<b>RISK OF ELECTRIC SHOCK</b> - Direct contact with exposed energized conductors or circuit parts may result in electric shock.
	<b>TIP</b> - Provides useful information that may help you solve a problem or save time.
	<b>Unit is heavy and 2-person lift is required</b>

### 3.0 OPERATION & MAINTENANCE



#### WARNING

**Before Installation:** Inspect the power conditioner for any physical damage. If any damage is visible do not use the power conditioner and contact the seller immediately.



#### CAUTION

**Environmental Conditions:** The **NXT POWER** Conditioner is designed only for installation in an indoor, temperature and humidity-controlled environment. Install the power conditioner away from heat, moisture, and dust sources.



#### WARNING



#### TIP



#### 2-person lift

Ensure the unit has a minimum of 3 inches (75mm) of clearance on all sides of the unit. Do not block any of the air vents or place objects next to or on top of the unit.

Place the **NXT POWER** Conditioner as close to the load equipment/electronic devices as possible. Plug in all electrical devices that you would like to protect from electrical noise into the power conditioner. Ensure the power conditioner is not overloaded. This can be done by making sure the power conditioner is not loaded above its maximum rating (please see back panel of the unit for rating information). If you have any questions regarding the rating of the unit, please contact the seller.

**Power Conditioner Voltage and Power Rating:** It is important to choose the correct power conditioner for your application. In this manual you will find the voltage and power rating information for the model power conditioner you have. Ensure the power conditioner is correctly rated for your application. If you have any questions in this regard, contact the seller.

**Installation of plug and receptacle model:** Locate the power conditioner as close to the load equipment (the equipment you want to power from the power conditioner) as possible. Only plug the power conditioner into a correctly rated outlet. Contact the seller or qualified electrician if you are unsure how to install the power conditioner.



## RISK OF ELECTRIC SHOCK

**Input voltage adjustment:** This power conditioner can be configured for 208 or 240, 60Hz VAC input. This voltage configuration must only be performed by a qualified person. There is a high risk of electrical shock if performed incorrectly. **Ensure the circuit that will be used to power the power conditioner is turned off and locked out. Ensure the circuit breaker on the rear panel of the power conditioner is in the off position.**

Using a Phillips screwdriver remove the cover to the power conditioner. To configure the Power conditioner for **208** VAC input, ensure the **Black** wire from the load side of main input circuit breaker on the inside of the power conditioner is connected to the terminal marked **(2)P-208** on the transformer. Tighten the screw to 1.5 foot-pounds

To configure the Power conditioner for **240** VAC input, ensure the **Black** wire from the load side of main input circuit breaker on the inside of the power conditioner is connected to the terminal marked **(3)P-240** on the transformer. Tighten the screw to 1.5 foot-pounds

It is important the power conditioner input voltage is configured to match the supply voltage. Power conditioner and load equipment can be damaged if the voltage is not configured correctly. If you have any questions regarding voltage configuration or are unsure as to the voltage available contact the seller or a qualified electrician.

### Installation of a plug and receptacle model:



## CAUTION

**Do not use any other input power cord other than the one provided with the unit.**

The outlet the power conditioner will be plugged into must consist of a Line (L1), Line (L2) and Ground (DO NOT plug the power conditioner into an ungrounded outlet). Plug all of the load equipment (the electronic equipment you want to power off of the power conditioner) into the power conditioner outlets. Ensure the power conditioner is correctly sized for the equipment to be plugged in. You will find the voltage and power rating for the power conditioner on the rear rating label. This power conditioner is equipped with a power on circuit breaker switch on the rear of the unit. Turn the switch to the **ON** position. The blue power **ON** indicator (light) on the front of the unit will illuminate. Now you can turn on the load equipment/electronic devices. If you have any questions in this regard, contact the seller.

## Installation of a hardwired model:



### RISK OF ELECTRIC SHOCK

**The installation of the hardwired power conditioner must only be performed by a qualified electrician. All local electrical codes must be followed.**

Locate the power conditioner as close to the load equipment (the equipment you want to power from the power conditioner) as possible. **Ensure the circuit that will be used to power the power conditioner is turned off and locked out.** Using a Phillips screwdriver remove the cover to the power conditioner. Once the cover is removed locate the input and output terminal block on the back panel of the unit. These terminal blocks can be accessed for wiring by removing the knockout covers located on the back panel. The maximum input and output current for each unit can be found on the rating label on the rear of the unit. The correctly rated circuit and wire size must be used per the local code for connection into and out of the unit. The terminal block must be torqued down to 1.33 foot-pounds during installation. Reference FIG 1. for connection diagram.

Once all the connections are made and tight inside the power conditioner reattach the cover. You can now turn on the circuit that will power the power conditioner. All hard-wired power conditioners have an input circuit breaker located on the rear of the unit. Turn the switch to the **ON** position. The blue power **ON** indicator (light) on the front of the unit will illuminate. Now you can turn on the load equipment/electronic devices. If you have any questions in this regard, contact the seller.



### CAUTION

All **NXT POWER** Conditioners are equipped with overload protection and this protection will turn off the power conditioner if overloaded. If the power conditioner turns off due to an overload, remove some of the load equipment/electronic devices from the conditioner and turn the power conditioner on again.



### DANGER

- All power conditioner uses a basic type insulation, and a grounded power network must be used.
- There are no user serviceable parts inside the power conditioner, contact the seller for service or repair.
- All power conditioners use hazardous voltage.
- All power conditioners should only be used in ordinary locations.
- All Power conditioners can be operated in continuous duty cycle.

- All Power conditioners enclosure are IP40 rated.

#### 4.0 POWER CONDITIONER RATING CHART

Model Number	Input voltage 1-phase	Output Voltage	Max output current	Circuit Breaker rating	Minimum Conductor Size	Frequency
NPT2000-H-NS	208 or 240 VAC	208, 240/120 VAC	9.6 A	15 A	14 AWG	60 Hz
NPT2300-H-NS	208 or 240 VAC	240/120 VAC	9.6 A	15 A	14 AWG	60 Hz
NPT2500-H-NS	208 or 240 VAC	208, 240/120 VAC	12.0 A	15 A	14 AWG	60 Hz
NPT2800-H-NS	208 or 240 VAC	240/120 VAC	12.0 A	15 A	14 AWG	60 Hz
NPT3000-H-NS	208 or 240 VAC	208, 240/120 VAC	14.4 A	20 A	12 AWG	60 Hz
NPT3300-H-NS	208 or 240 VAC	208, 240/120 VAC	16.0 A	20 A	12 AWG	60 Hz
NPT3500-H-NS	208 or 240 VAC	240/120 VAC	14.4 A	20 A	12 AWG	60 Hz
NPT3800-H-NS	208 or 240 VAC	240/120 VAC	16.0 A	20 A	12 AWG	60 Hz
NPT5000-H-NS	208 or 240 VAC	208, 240/120 VAC	24.0 A	30 A	10 AWG	60 Hz
NPT5800-H-NS	208 or 240 VAC	240/120 VAC	24.0 A	30 A	10 AWG	60 Hz
NPT6000-H-NS	208 or 240 VAC	208, 240/120 VAC	29.0 A	40 A	8 AWG	60 Hz
NPT7000-H-NS	240 VAC	240/120 VAC	29.0 A	40 A	8 AWG	60 Hz

H (Indicates Hard-Wired input output model)



## 5.0 WARRANTY

### General Warranty

**NXT POWER** Next Level conditioners (hereafter referred to as “Product”) are warranted to be free from defects in material and workmanship for five (5) years from date of shipment from **NXT POWER** on the chassis and electronic components. This warranty is limited to repairing, replacing, or refurbishing at **NXT POWER’s** discretion, any defective component, circuit board or module within the Product. For single phase products located anywhere, this warranty is limited to **NXT POWER** depot service. For three phase Products located in the continental United States and Canada, this warranty will include, at **NXT POWER’s** sole discretion, on-site service, or **NXT POWER** depot service. For locations other than those specified herein, this warranty is limited to parts only. See the Limitations of Warranty section below for additional limitations and exclusions.

### Limitations of Warranty

This limited warranty does not cover any losses or damage resulting from shipment to or from the Customer, or from improper installation, improper application, inappropriate environment, abuse, neglect, unauthorized modifications, adjustments, or repair of the Product. Additionally, any costs related to installation or de-installation of the Product for the purpose of replacement or servicing will be the Customers sole responsibility. **NXT POWER** makes no warranties, expressed or implied, of merchantability, fitness for a particular purpose, performance, condition, capacity, or otherwise. **NXT POWER** is not liable for incidental or consequential damages, monetary loss, loss of sales, or loss of business resulting from the failure or malfunction of the Product. Warranty is void on Product where evidence of tampering exists. See full product warranty statement for complete warranty details.

All warranty services will be performed during **NXT POWER** normal, non-holiday business hours (Monday through Friday, 8:00 AM – 5:00 PM CST). Any service required by Customer to be performed outside of normal business hours will be subject to **NXT POWER** prevailing labor rates.

## NOTES

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Access additional product and support via our website <https://www.nxtpower.com>



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