



POWER CONDITIONER USER'S MANUAL

For use with Standard, NXT Ground & Medical Power Conditioners



Model Numbers (120 VAC 60Hz)

NPT 80, 120, 180, 240, 360, 480, 600, 720, 840, 1000, 1200, 1500, 2000

Model Numbers (200-240 VAC 50/60Hz)

NPT 80, 240, 480, 780, 1000, 1200, 1500, 2000

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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 and Neutral and Neutral to 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 (708-457-1200) or email us at service@nxtpower.com.

2.0 SAFETY GUIDELINES

Symbol	Description
	DANGER - High risk hazard that could, if not avoided, can result in serious injury or death.
	WARNING - Medium or low risk hazard that could, if not avoided, can result in moderate or minor injury.
	CAUTION - Potentially hazardous situation that could, if not avoided, result in equipment damage, data loss, performance deterioration, or unanticipated results.
	ANTI-STATIC PROMPTING – Observe precautions for handling.
	RISK OF ELECTRIC SHOCK - Direct contact with exposed energized conductors or circuit parts may result in electric shock.
	TIP - Provides useful information that may help you solve a problem or save time.
	For indoor use only
	Short-circuit proof separating transformer

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

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: Locate the power conditioner as close to the load equipment (the equipment you want to power from the power conditioner) as possible. Plug the load equipment/electronic devices into the power conditioner. Using the input power cord that is provided with the power conditioner plug on end into the power inlet of the power conditioner. Then plug the power cord into a correctly rated and wired outlet.



CAUTION

Do not use any other input power cord other than the one provided with the unit. If the input power cord is lost or missing contact the seller to procure a replacement cord.

The outlet must consist of a Line, Neutral and Ground (DO NOT plug the power conditioner into an ungrounded outlet or use any kind of ground removing plug (commonly called “cheater plugs”) to power the conditioner. If the power conditioner is equipped with a power on circuit breaker switch turn the switch to the **ON** position. The blue power **ON** indicator (light) on the front of the unit will illuminate. Once the power conditioner is plugged in and turned on, insure the “Site Wiring Fault” LED (120 VAC North American models only. Not available on the -I or -NF model) on the rear of the unit is not flashing. If this LED is flashing contact a qualified electrician immediately to insure proper wiring of the mains outlet. The power conditioner must not be plugged into this outlet until the wiring problem is corrected. If the “wiring fault” LED is not ON or flashing, you can turn on the load equipment/electronic devices. If you have any questions in this regard, contact the seller.

Note: If the power conditioner is mounted to a wall the installation can be in the horizontal position facing left or right. If the power conditioner is mounted vertically the unit must be installed with a front plastic panel facing the ground.



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. **Overload Protection device cannot be replaced.**



DANGER

These power conditioners are not rated or intended for use in the presence of flammable gas or anesthetics as there will be a risk of a of an explosion.

- All power conditioner uses a basic type insulation and a grounded power network must be used.
- All power conditioners listed below are considered Class 1.
- All power conditioners listed below are considered Type B.
- 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.
- Separating transformer is non-inherent short circuit proof

4.0 POWER CONDITIONER RATING CHART

Model Number	Input Voltage AC ~	Output voltage AC ~	Maximum Load Rating	Maximum Power VA	Frequency
NPT80-XXX-N	120	120	0.70 amps	80 VA	60 Hz
NPT120-XXX-N	120	120	1.0 amps	120 VA	60 Hz
NPT180-XXX-N	120	120	1.5 amps	180 VA	60 Hz
NPT180-GW-NF	120	120	1.5 amps	180 VA	60 Hz
NPT240-XXX-N	120	120	2.0 amps	240 VA	60 Hz
NPT360-XXX-N	120	120	3.0 amps	360 VA	60 Hz
NPT480-XXX-N	120	120	4.0 amps	480 VA	60 Hz
NPT600-XXX-N	120	120	5.0 amps	600 VA	60 Hz
NPT720-XXX-N	120	120	6.0 amps	720 VA	60 Hz
NPT840-XXX-N	120	120	7.0 amps	840 VA	60 Hz
NPT1000-XXX-N	120	120	8.3 amps	1000 VA	60 Hz
NPT1200-XXX-N	120	120	10.0 amps	1200 VA	60 Hz
NPT1500-XXX-N	120	120	12.0 amps	1440 VA	60 Hz
NPT2000-XXX-N	120	120	16.0 amps	1980 VA	60 Hz

Model Number	Input Voltage AC ~	Output voltage AC ~	Maximum Load Rating	Maximum Power VA	Frequency	ZI %
NPT80-XXX-i	200-240	200-240	0.35 amps	80 VA	50/60 Hz	6.97
NPT240-XXX-i	200-240	200-240	1.0 amps	240 VA	50/60 Hz	6.16
NPT480-XXX-i	200-240	200-240	2.0 amps	480 VA	50/60 Hz	8.23
NPT780-XXX-i	200-240	200-240	3.25 amps	780 VA	50/60 Hz	4.76
NPT1000-XXX-i	200-240	200-240	4.10 amps	1000 VA	50/60 Hz	4.89
NP1200-XXX-i	200-240	200-240	5.4 amps	1200 VA	50/60 Hz	4.12
NPT1500-XXX-i	200-240	200-240	6.5 amps	1500 VA	50/60 Hz	3.07
NPT2000-XXX-i	200-240	200-240	8.5 amps	2000 VA	50/60 Hz	3.75

XXX: F (Floating Ground), G (NXT Ground), H (Hardwired), W (wall mount), M (medical listed to 60601-1) or F (Low Profile)

Input supply cord for all "i" models must be type 60227 IEC53 (H05W) rated with the following conductor sizes:

NPT80-XXX-i, NPT240-XXX-i and NPT480-XXX-i: **0.5mm² minimum**

NPT480-XXX-i, NPT740-XXX-i, NPT1000-XXX-i and NPT1200-XXX-i: **0.75mm² minimum**

NPT1200-XXX-i, NPT1500-XXX-i and NPT2000-XXX-i: **1.0mm² minimum**

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.



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Access additional product and support via our website

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022-00017 2023 REV. D, – User Manual Power conditioner 80 VA to 2000VA 120/230 V