

# INTEGRITY MAX<sup>LT</sup> Product Specifications

## NPTU 3000 (230 VAC)

MODEL		NPTU3000-O-i
TOPOLOGY		Double-conversion true sine wave output with internal isolation transformer.
INPUT	Voltage (VAC)	230 VAC
	Voltage Range (VAC)	195 VAC to 264 VAC when load is greater than 75%
	Frequency (Hz)	50 / 60 Auto Detect
	Frequency Tolerance	± 10% (Before Switching to Batteries)
	Power Factor	≥ 0.98 with 100% Linear load
	Current THDi	< 7.0%
	Connection	IEC 320 C20
	Rated Current (A)	14.0 A
OUTPUT	Capacity (VA / Watts)	2700 / 2430
	Voltage (VAC)	230 VAC
	Voltage Regulation	± 2.0% of Nominal (when supplied from either mains input or battery)
	Voltage THDv	≤ 3.0% Linear Load, ≤ 6% Non-linear Load
	Power Factor	0.9
	Step Load Response	± 10.0% for 100% Step Load Change Return to ± 1.0% Within 4 Cycles
	Crest Factor	3:1
	Frequency sync. (Hz)	3 Hz or 1 Hz (Selectable)
	Frequency Regulation	± 0.1 Hz of Nominal
	Overload on-line mode	<105%, continuous > 105%, < 120% = 30 seconds and transfer to bypass ≥ 120%, ≤ 150% = 10 seconds and transfer to bypass
	Efficiency	AC-DC-AC ≥ 84.0% DC-AC ≥ 80.0%
	Connection	(1) IEC 320 C19 and (2) IEC 320 C13 triplex
BYPASS	Voltage Sync Range	± 10%
	Transformer Voltage Regulation	3%
	Overload	<105% = Continuous ≥ 106%, < 120% = 250 seconds and shutdown ≥ 120%, < 135% = 50 seconds and shutdown

BATTERY	Voltage (VDC)	72 Nominal
	Battery	12V, High Rate, Valve Regulated Sealed Lead-Acid, Flame Retardant
	Quantity	6
	Charge Current (ADC)	1.4 Amps
	Backup Time (min)	See Run-time Chart
	Recharge Time	90% < 8 Hrs
ENVIRONMENT	Temperature (°C)	Operating: 0 to 40 °C; Storage: -10 to 50 °C; Transit: -10 to 50 °C
	Altitude (m)	Operating: 2,000; Transit: 12,000
	Humidity	5 % to 95.0%, Non-Condensing
	Audible (dBA)	≤ 55 @ 1 Meter from Front of Unit
	Heat Dissipation (BTU/hr)	1575
AGENCIES	EMC	FCC Part 15J Class A, Part 15J Class A
	Safety Agencies	CE mark to IEC 62040-1 Edition 2, AMD 2, Revision 11/2022
	RoHS	All Units are RoHS Compliant (where applicable)
OTHER	Communication	RS-232, USB Internal SNMP Adapter (Optional)
	Unit Weight (lbs/kg)	132 / 60
	Shipping Weight (lbs/kg)	145 / 66
	Dimensions (HxWxD) in/mm	22.0 x 8.9 x 22.8 / 560 x 227 x 580

**NOISE REJECTION-ISOLATION:** With unit under power and an ANSI/IEEE C62.41Cat. A pulse applied either normal or common mode at the input, the noise output voltage will be less than 10V normal mode and less than 0.5V common mode in all four quadrants (CM-NM, NM-NM, CM-CM, NM-CM).

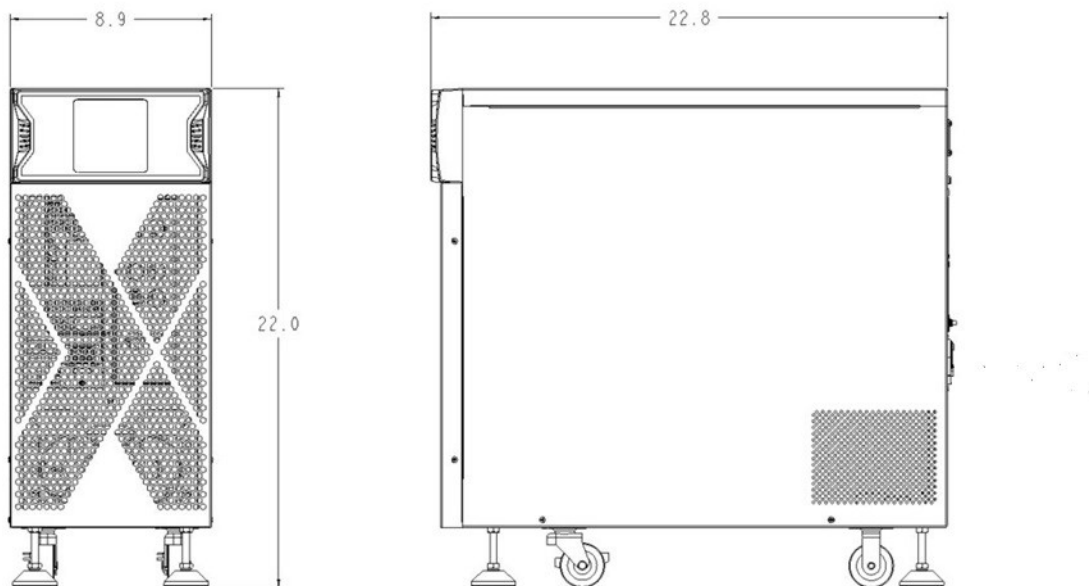
**SURGE VOLTAGE WITHSTAND CAPABILITY:** Tested under power to ANSI/IEEE C62.41 Cat. A & B (formerly IEEE587-1980). Cat. A - 6000V @ 200 amps, 0.5 µsec risetime, 100 kHz decay, Cat. B - 6000V @ 500 amps, 0.5 µsec risetime, 100 kHz decay.

### Battery Backup Run Time Chart (Internal Batteries Only)

Model \ Load	25%	50%	75%	100%
NPTU3000-O-i	22	10	4	3

Notes: Run-Times are in minutes and based on new fully charged batteries at 25 deg C ambient.

### Product Dimensions (Inches)



### Warranty/Support

**NXT Power** warrants the components (including internal batteries) used in its uninterruptible power supplies to be free from defects in materials and workmanship for a period of three years from the date of shipment. See Warranty Statement for complete details. For North American service or support on any NXT Power product, please contact NXT Power at (877) NXT POWR (877-698-7697). In Illinois, call (872) 310-4056. To view the NXT Power Warranty Policy and Procedures, visit [www.nxtpower.com](http://www.nxtpower.com)