

INTEGRITY MAX^{LT} Product Specifications

NPTU 2000 and 3000 (120VAC)

MODEL		NPTU2000-O-N	NPTU3000-O-N
TOPOLOGY		Double-conversion true sine wave output with internal isolation transformer.	
INPUT	Voltage (VAC)	120 VAC (Optional 100VAC configuration. Unit is derated at 100 VAC)	
	Voltage Range (VAC)	90VAC to 150 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	NEMA 5-20P (fixed 6 ft line cord)	NEMA L5-30P (fixed 6 ft line cord)
	Rated Current (A)	16.0	24.0
OUTPUT	Capacity (VA / Watts)	1920 / 1728	2700 / 2430
	Voltage (VAC)	120 VAC (100 VAC optional)	
	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) L5-30R and (6) NEMA 5-20R		
BYPASS	Voltage Sync Range	Selectable ± 10% or 15%	
	Transformer Voltage Regulation	9%	
	Overload	<105% = Continuous ≥ 106%, < 120% = 250 seconds and shutdown ≥ 120%, < 135% = 50 seconds and shutdown	

BATTERY		
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		
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)	1110
AGENCIES		
AGENCIES	EMC	FCC Part 15J Class A, Part 15J Class A
	Safety Agencies	UL1778 cUL to CSA22.2 No.107.3
	RoHS	All Units are RoHS Compliant (where applicable)
OTHER		
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).

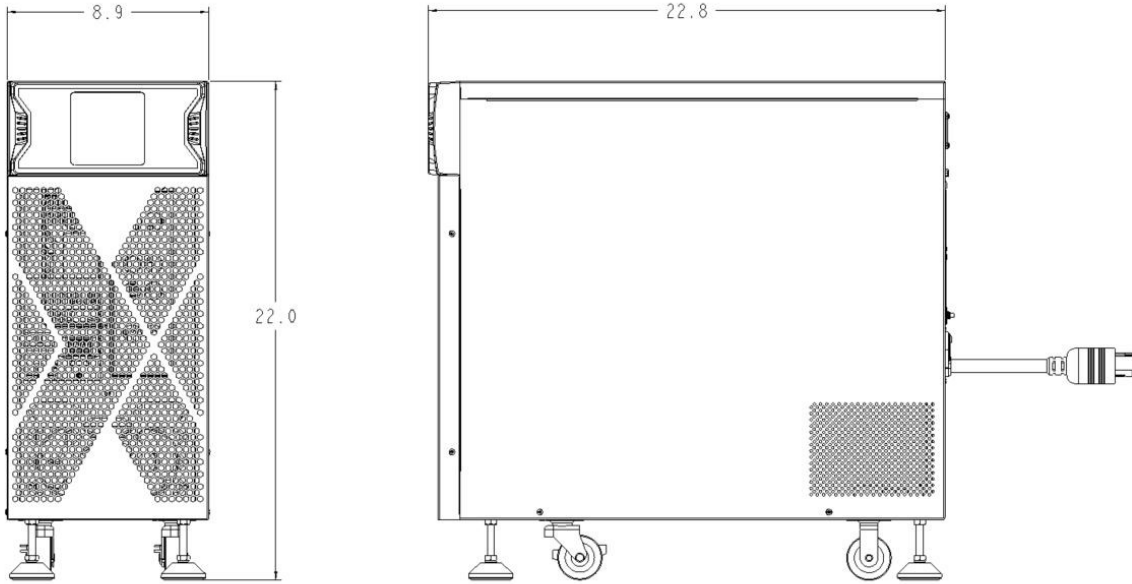
SURGE VOLTAGE WITHSTAND CAPABILITY: Tested under power to ANSI/IEEE C62.41 Cat. A & B (formerly IEEE587-1980). Cat. A - 6000V @ 200 amps, 0.5 µsec risetime, 100 kHz decay, Cat. B - 6000V @ 500 amps, 0.5 µsec risetime, 100 kHz decay.

Battery Backup Run Time Chart (Internal Batteries Only)

Model	Load	25%	50%	75%	100%
	NPTU2000-O-N		25	12	6
NPTU3000-O-N		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 POWER (877-698-7697). In Illinois, call (872) 310-4056. To view the NXT Power Warranty Policy and Procedures, visit www.nxtpower.com