

# INTEGRITY MAX RT Product Specifications NPTU 800 to 1500VA

MODEL		NPTU800-OR-N	NPTU1100-OR-N	NPTU1500-OR-N
<b>TOPOLOGY</b>				
		Double-conversion true sine wave output with internal isolation transformer.		
<b>INPUT</b>	Voltage (VAC)	100 VAC (Selectable) factory default is 120 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 5-15P (fixed 6 ft line cord)		
	Rated Current (A)	10.0	11.0	12.0
<b>OUTPUT</b>	Capacity (VA / Watts)	800/720 (666/599 @100VAC)	1100/990 (916/824 @100VAC)	1440/1290 (1200/1080 @100VAC)
	Voltage (VAC)	100 VAC (Selectable) factory default is 120 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	0.9	0.9
	Step Load Response	± 5.0% 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 ≥ 82.0%		
	Connection	(6) NEMA 5-15R		
<b>BYPASS</b>	Voltage Sync Range	Selectable ± 10		
	Transformer Voltage Regulation	3%		
	Overload	<105% = Continuous ≥ 106%, < 120% = 250 seconds and shutdown ≥ 120%, < 135% = 50 seconds and shutdown		

BATTERY				
<b>BATTERY</b>	Voltage (VDC)	36 Nominal		
	Battery	12V, High Rate, Valve Regulated Sealed Lead-Acid, Flame Retardant		
	Quantity	3		
	Charge Current (ADC)	1.8 Amps		
	Backup Time (min)	See Run-time Chart		
	Recharge Time	90% < 8 Hrs		
ENVIRONMENT				
<b>ENVIRONMENT</b>	Temperature (°C)	Operating: 0 to 40 °C; Storage: -10 to 50 °C		
	Altitude (m)	Operating: 2,000		
	Humidity	0.0% to 90.0%, Non-Condensing		
	Audible (dBA)	≤ 50 @ 1 Meter from Front of Unit		
	Heat Dissipation (BTU/hr)	467	643	838
AGENCIES				
<b>AGENCIES</b>	EMC	FCC Part 15J Class A		
	Safety Agencies	UL1778 cUL to CSA22.2 No.107.3		
	RoHS	All Units are RoHS Compliant (where applicable)		
OTHER				
<b>OTHER</b>	Communication	RS-232 USB DB-9 Dry Contacts Internal SNMP Adapter (Optional)		
	Unit Weight (lbs/kg)	47 / 21		
	Shipping Weight (lbs/kg)	59 / 27		
	Dimensions (HxWxD) in/mm	3.46 x 17.32 x 27.68 / 88 x 440 x 703		

**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).

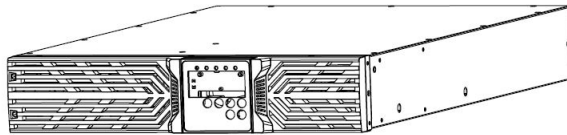
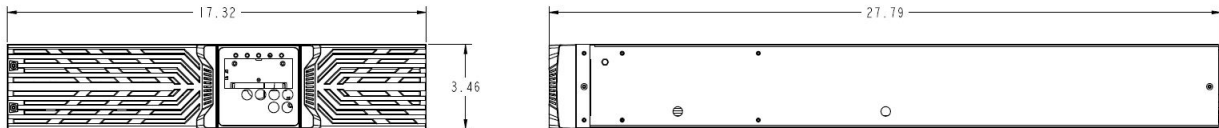
**SURGE VOLTAGE WITHSTAND CAPABILITY:** Tested under power to ANSI/IEEE C62.41 Cat. A & B (formerly IEEE587-1980). Cat. A - 6000V @ 200 amps, 0.5 µsec risetime, 100 kHz decay, Cat. B - 6000V @ 500 amps, 0.5 µsec risetime, 100 kHz decay.

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

Model	Load	25%	50%	75%	100%
	NPTU800-OR-N		45	22	15
NPTU1100-OR-N		30	14	7	5
NPTU1500-OR-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 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)