

# INTEGRITY PRO Medical UPS Specifications

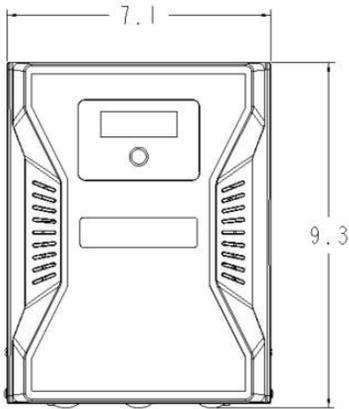
## (120VAC) 600VA and 800VA

MODEL		NPTU600-LM-N	NPTU800-LM-N
<b>TOPOLOGY</b>		Line interactive, true sine wave, isolated, UPS	
<b>INPUT</b>	Voltage (VAC)	120 VAC	
	Voltage Range (VAC)	96 VAC to 144 VAC	
	Frequency (Hz)	50/60 Hz (Auto-Detection)	
	Frequency Tolerance	± 3.0 Hz (Before Switching to Batteries)	
	Connection	IEC 320 C13 to NEMA 5-15P (detachable 6 ft line cord)	
	Rated Current (A)	7	8
<b>OUTPUT</b>	Capacity (VA / Watts)	600/540	800/720
	Voltage (VAC)	120 VAC	
	Voltage Regulation	± 10 % of Nominal (when supplied from mains input)	
	Voltage THDv	≤ 4.0% Linear Load, ≤ 8% Non-linear Load in inverter operation	
	Step Load Response	± 5.0% for 100% Step Load Change	
	Frequency sync. (Hz)	±3 Hz	
	Frequency Regulation	± 0.2 Hz of Nominal on batteries	
	Overload on-line mode	>100 to 105%, continuous >105 to 150% alarm and shutdown after 10 seconds.	
	Efficiency	On AC mains ≥ 91.0% (without charger) DC-AC ≥ 82.0%	
	Connection	(6) NEMA 5-15R Hospital Grade	
<b>BATTERY</b>	Voltage (VDC)	24 Nominal	
	Battery	12V, High Rate, Valve Regulated Sealed Lead-Acid	
	Quantity	2	
	Charge Current (ADC)	1.5 Amps	
	Transfer Time	6 to 9 ms typical	
	Backup Time (min)	7	5
	Recharge Time	80% < 6 Hrs (24 hours to full charge)	
<b>ENVIRONMENT</b>	Temperature (°C)	Operating: 0 to 40 °C; Storage: -15 to 55 °C; Transit: -15 to 60 °C	
	Altitude (m)	Operating: 2,000; Transit: 12,000	
	Humidity	5.0% to 95.0%, non-Condensing	
	Audible (dBA)	≤ 50 @ 1 Meter from Front of Unit	
	Heat Dissipation (BTU/hr)	184	246
<b>AGENCIES</b>	EMC	FCC Part 15J Class B, EN60601-1-2:2007, CISPER11:2009, A1 Class B	
	Safety Agencies	UL1778, UL60601-1 3 <sup>rd</sup> edition, IEC61000-4-2, -3, -4, -5, -6, -8 and -11 cUL to CSA22.2 No.601.1-M89	
	RoHS	All Units are RoHS Compliant (where applicable)	

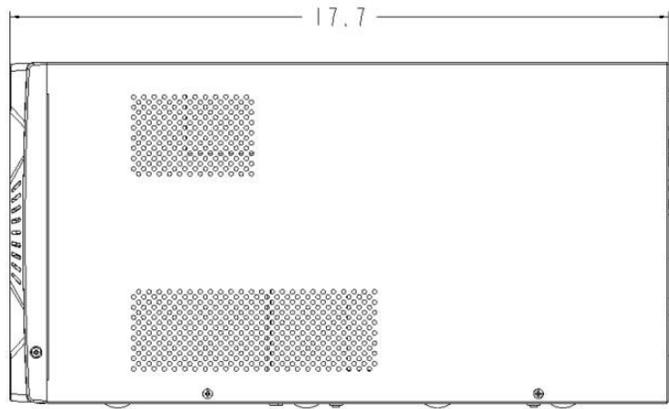
<b>OTHER</b>	Communication	USB SNMP Adapter (Optional)
	Unit Weight (lbs/kg)	51 / 23
	Shipping Weight (lbs/kg)	55 / 25
	Dimensions (HxWxD) in/mm	9.3 x 7.1 x 17.7 / 236 x 180 x 450

**NOISE REJECTION-ISOLATION:** With unit under power and an ANSI/IEEE C62.41 Cat. 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.



**Front View**



**Side View**

**Battery Run time Chart (in minutes):**

Load %	25%	50%	75%	100%
NPTU600-LM-N	45	20	12	7
NPTU800-LM-N	28	14	7	5

**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)