



RGS-NX Series

6, 12 and 24 V,
NEMA-4X Rated

NEMA-4X nexus® 



FEATURES

- Fully gasketed fiberglass reinforced polyester housing - NEMA 4X
- Solid-state pulse-type charger – current – limited, temperature-compensated, short-circuit proof and reverse-polarity protected
- Unit comes standard with electronic lockout and brownout circuits
- Sealed dust-proof transfer relay, test switch and LED indicator lights
- Long-life, maintenance-free sealed Lead-Acid battery
- Standard 120/347VAC input voltage
- Auto-testing capabilities (specific load requirements)
- Meets or exceeds CSA C22.2 No.141-15

See warranty details at: www.tnb.ca/en/brands/lumacell

TYPICAL SPECIFICATIONS

Supply and install the Lumacell® NEMA-4X Rated RGS-NX Series battery unit. The unit shall be specifically designed for high abuse areas and wet locations. The unit enclosure shall be of fiberglass-reinforced polyester and shall include a hinged door, fully gasketed and locked with two corrosion-resistant screws. The emergency head(s) shall be installed at the bottom of the unit and/or at both sides and shall be covered by a UV-resistant polycarbonate cover. The bottom head shall include one or two lamps as specified. The unit shall come with two heads at the sides, each with one LED lamp. The lamps shall be high-efficiency, long-life LED type of: ___V ___W as specified. The lamp swivels shall be easily adjustable without tools. The unit enclosure shall include a test switch and a pilot light.

The unit shall include sealed, maintenance-free Lead-Calcium batteries and an electronic module for the battery charge and other emergency lighting functions. The charger shall be computer-tested and its maximum charge voltage set in the factory with $\pm 1\%$ tolerance. A pulse-type charger shall be employed to promote long battery life and reduce the potential for grid corrosion. The charger shall provide a continuous high charge to recharge the battery; when the battery is at full capacity, the charger will shut-off. Periodically the charger shall provide a pulse of energy to keep the battery topped off. The charger shall be current limited, temperature compensated and short-circuit proof. The unit shall be furnished with an electronic lockout circuit, which will connect the battery when the AC circuit is activated, and an electronic brownout circuit, which will activate the emergency lights when utility power dips below 75% of nominal voltage. A low voltage battery protection circuit shall be provided and will disconnect the battery from the fused output circuit at the end of discharge.

When specified, the unit equipped with the Lumacell Auto-Diagnostic feature shall include a micro-controller based charger board that will generate an automatic test for 1 minute every 30 days, 10 minutes every six months and 30 minutes every 12 months. The micro-controller circuitry shall ensure the equipment readiness and reliability by continuously monitoring every critical function of the unit. If a component failure occurs, the pilot light located on the front of the unit will change color from green to red and will flash indicating a fault. A detailed diagnostic legend shall be available next to the pilot light and shall provide fault identification (battery, charger circuitry, lamps) for the maintenance personnel.

The unit shall be capable of full recharge in compliance with CSA specifications and supply the rated load for a minimum of a 1/2 hour to 87.5% of the rated battery voltage. The unit shall be rated 120V or 347V, 60 Hz and shall have an output of: ___ V ___ W.

The unit shall be CSA 22.2 No.141-15 certified.

The unit shall be Lumacell® model: _____.

WIRE GUARDS

460.0034-L	Wall Mount
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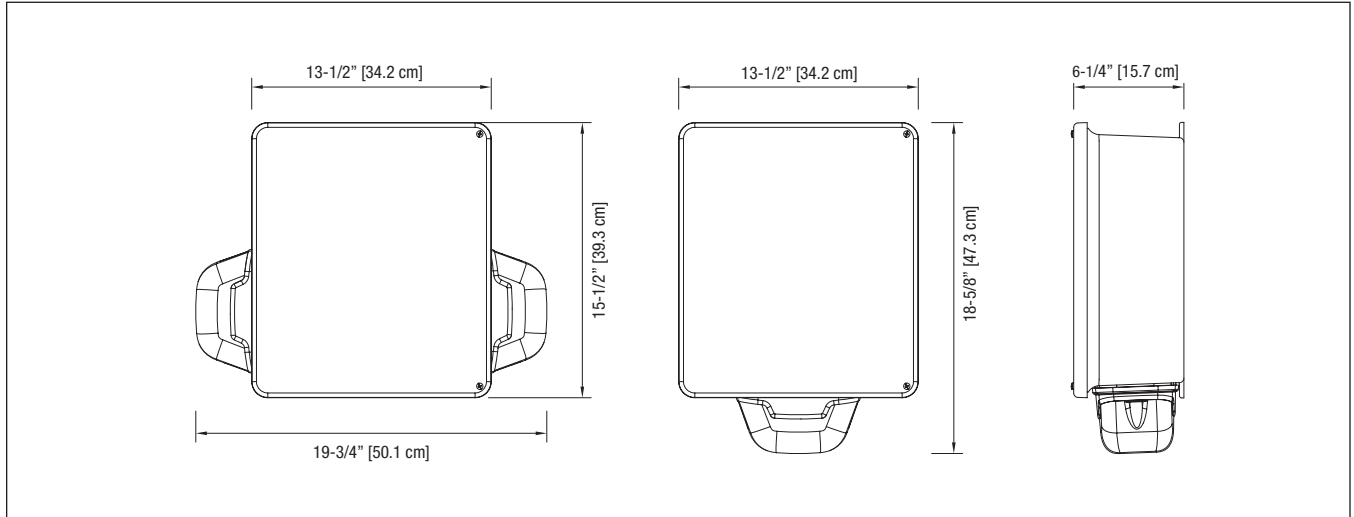
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DIMENSIONS

Dimensions are approximate and subject to change.



POWER CONSUMPTION AND UNIT RATING

MODEL	AC SPECS		WATTAGE CAPACITY				
			30MIN	1H00	1H30	2H00	4H00
RGS72	120/347VAC	0.22/0.08A	72	42	30	24	12
RGS108			108	63	45	36	18
RGS180			180	105	75	60	30
RG12S144		0.40 / 0.14A	144	84	60	48	24
RG12S200			200	117	83	67	33
RG12S250			250	144	120	90	42
RG12S360		0.55 / 0.20A	360	200	160	120	60
RG24S144			144	84	60	48	24
RG24S288			288	168	120	96	48
RG24S350		0.67 / 0.23A	350	200	160	120	60
RG24S432		0.67 / 0.23A	432	250	180	144	72

ORDERING INFORMATION

SERIES	CAPACITY	HOUSING	# OF HEADS	HEAD STYLE/LAMP WATTAGE	AC VOLTAGE	OPTIONS
RGS= 6V	72= 72W 108= 108W 180= 180W	NX= NEMA-4X	Blank= no head 1= single head bottom, one lamp 2= single head bottom, two lamps S= no head bottom, single lamp on each side 1S= single head bottom with single head on each side, three lamps 2S= two head bottom with single head on each side, four lamps	LD1= MR16 LED, 6V-4W LD2= MR16 LED, 6V-5W LD7= MR16 LED, 12V-4W LD9= MR16 LED, 12V-5W LD10= MR16 LED, 12V-6W LD13= MR16 LED, 24V-4W LD14= MR16 LED, 24V-6W	Blank= 120/347 VAC input ZC= 277VAC input	AT= auto-test ¹ ATN= auto-test, non-audible ¹ NEX= NEXUS [®] system interface NEXRF= wireless NEXUS [®] system interface ² T3= time delay (15 minutes)
RG12S= 12V	144= 144W 200= 200W 250= 250W 360= 360W					
RG24S= 24V	144= 144W 288= 288W 350= 350W 432= 432W					

¹Minimum lamp load required: 20% of unit capacity
²Not all options available with NEXUS[®]. Please consult your sales representative

EXAMPLE: RG24S350NX2LD14