

## Series Spec Sheet

# SLBNX

## HAZARDOUS LOCATION BATTERY UNIT

Class I, div 2, groups A, B, C, D

Class II, div 2, groups F, G

Class III, div 2

The SLBNX series of battery units is designed to operate in the most extreme environments. The unit, designed using a polycarbonate housing, maintains its sealed interior with a continuous integral gasket. The SLBNX series is available in 6 VDC and 12 VDC versions in 36 W, 50 W, 72 W, 100 W or 130 W wattage capacity for a minimum of 30 minutes in emergency mode. Auto test feature is standard.

### FEATURES AND SPECIFICATIONS

- **Electrical and circuitry**
  - 120/277/347 VAC 60 Hz Input, field selectable
  - High efficiency, rapid recovery, precision control charging system
  - Magnetic test switch
  - Diagnostic/pilot LED
  - Fully automatic, current limited charger
  - Temperature compensated charger
  - Complete battery recharge in 24 hours
  - Standard automatic-testing, self-diagnostic charger board
- **Mechanical**
  - Universal spider knockout pattern stamped into backplate for junction box mounting
  - Fully gasketed reinforced polycarbonate housing
    - will not corrode or rust from water exposure
  - Stainless steel tamper proof screws and bits
  - Black or white finish
  - Temperature code: T4A
- **Approvals**
  - CSA Certified to C22.2 #141-15
  - CSA Certified to C22.2 #137
  - CSA Certified type 2, 3, 3R, 4, 4X, 5, 12 or 12K
  - CSA Certified to NSF 2
  - IP66
  - IK10
  - Class I, div 2, groups A, B, C, D
  - Class II, div 2, groups F, G
  - Class III, div 2
- **Compliance**
  - Meets requirements of ICES-005



### OVERVIEW

Input voltage (VAC)	120/277/347
CW1 input voltage (VAC)	120/277/347
CW1 input power (W)	30
Output voltage (VDC)	6, 12
Output power (W)	36 - 130



For complete warranty details, please see our terms and conditions on our website

## TYPICAL SPECIFICATION



### TYPICAL SPECIFICATION

Supply and install Stanpro SLBNX. The unit shall be rated 120 V, 277 V or 347 V, 60 Hz constructed of durable polycarbonate housing and be HAZARDOUS LOCATION Class I, div 2, groups A, B, C, D Class II, div 2, groups F, G Class III, div 2, CSA listed to C22.2 141-15 Nema 2, 3, 3R, 4, 4X, 5, 12, 12K, NSF 2, IP66, IK10 and be ICES 005 compliant. The unit shall have an output of: \_\_\_V and \_\_\_W and come complete with (2) x \_\_\_ W LED heads producing (\_\_\_) lumens each. The charge voltage factory set to  $\pm 1\%$  tolerance. High efficiency, rapid recovery, precision control charging system 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 at full voltage. The pulse charger shall be precisely regulated and shall charge the battery in relation to its temperature, state of charge and input voltage fluctuations. The charger shall be current limited, temperature compensated, short-circuit proof and reverse polarity protected. 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 load when the battery reaches the end of discharge. The Stanpro battery shall come complete with an auto diagnostic micro-controller board and shall supply the rated load for a minimum of a 1/2 hour to 87.5% of the rated battery voltage. The Stanpro battery unit shall come complete with the Auto Test function. The automated testing performed by the Stanpro auto test system has been designed to comply with all of the requirements of the National Fire Code. Every month a 5 minute discharge and diagnostic test checks the operational status of the unit. Every 12 months, this test is extended to the full 30 minute, code required duration. This ensures that the battery charger is recharging the battery in accordance with code requirements. The unit shall be Stanpro model: SLBNX\_\_\_\_\_

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions.  
All products are subject to change or may be discontinued any time without notice.

## ORDERING GUIDE

SLBNX					AT	
Series	Volts (V)	Watts (W)	Lamp selection	Housing color	Mandatory options	Options
SLBNX	6 - 6 1 - 12	036 - 36, Ni-Cd 050 - 50, lead acid 072 - 72, lead acid 100 - 100, lead acid 130 - 130, lead acid	See lamp selection chart	BK - Black WH - White	AT - Autotest	Blank - Standard +10°C to +25°C CW1 <sup>1</sup> - Cold Weather at -40°C to +40°C

<sup>1</sup> Only available with 6V 36W, 12V 36W and 12V 72W (Ni-Cd if ordered with CW1)

## MODEL RATINGS

Model	Volts (V)	Wattage capacities (W)			
		30 min.	60 min.	90 min.	120 min.
SLBNX6036	6	36	18	12	9
SLBNX6050		50	25	16.5	12.5
SLBNX6072		72	36	24	18
SLBNX6100		100	50	33	25
SLBNX6130		130	65	43	33
SLBNX1036	12	36	18	12	9
SLBNX1050		50	25	16.5	12.5
SLBNX1072		72	36	24	18
SLBNX1100		100	50	33	25
SLBNX1130		130	65	43	33

## LEXAN GUARD

Mounting type	Number of heads	Part number	Dimensions (in)
Wall Mount	2	PGD111	19.75 x 14 x 8

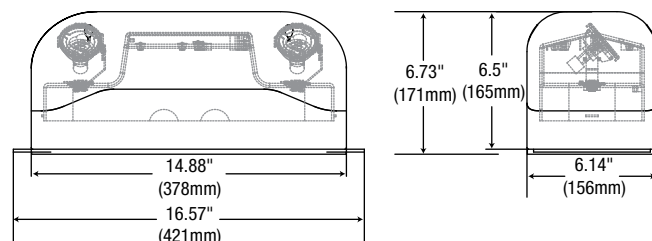
## LUMEN TABLE

Watts	Lumens
4W LR	388
5W LA	435
6W LA	507
7W LA	652

## LAMP SELECTION

MR16 • Small head c/w MR16 or LED lamp	6 V	12 V
LED	4LR, 5LA	4LR, 5LA, 6LA, 7LA

## DIMENSIONS



## SPACING GUIDE

Mounting height	Spacing center to center (ft)			
	4LR	5LA	6LA	7LA
8 ft	76	81	94	108
10 ft	79	79	93	106
15 ft	66	62	82	96
20 ft	53	49	73	87

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