

## Series Spec Sheet

# SLA / SLB / SLC / SLD

## STEEL BATTERY UNIT

The SLA/SLB/SLC/SLD series of commercial steel battery units is designed to provide efficient and reliable emergency lighting. Utilizing a sturdy, all steel housing, the SLA/SLB/SLC/SLD presents a modern and unobtrusive design. On higher capacity models, the cabinet front is sloped to allow better internal access and superior low angle light distribution. The SLA/SLB/SLC/SLD series is available in 6 V DC, 12 V DC and 24 V DC versions in a range of wattage capacities between 18 W and 720 W, for 30 minutes duration. Units are typically supplied with two top mounted PAR18, however a wide range of head type, number and placement are available including MR16 type. The SLA/SLB/SLC/SLD can also accommodate a wide variety of options, including auto-testing self-diagnostics and remote testing.

### FEATURES AND SPECIFICATIONS

#### • Circuitry

- 120/347 or 277 V AC, 60 Hz Input
- High efficiency, rapid recovery, precision control charging system
- 6 V DC, 12 V DC or 24 V DC emergency power output versions (as specified)
- Wattage capacities from 18 W to 720 W
- 30 Minutes emergency power duration standard
- Momentary push button test switch
- Diagnostic/pilot LEDs for AC ON and CHARGE
- Fully automatic, current limited charger
- Line latched, low voltage protection
- Solid state design and construction
- Brownout and short circuit protection
- Temperature compensated
- Complete battery recharge in 24 hours
- Maintenance free, sealed lead acid battery
- Optional automatic-testing, self-diagnostic

#### charger board:

- Continuously monitors the operational status of the battery unit
- Automatically performs battery and lamp load testing at preset intervals
- Indicates any component malfunctions or automated test failures

#### • Mechanical

- Rugged steel cabinet with ultraguard rust-coating
- 120 V AC line cord supplied standard
- Universal spider knockout pattern and keyhole mounting slots stamped into back of cabinet
- Multiple conduit entry knockouts
- White powder coat finish standard, other finishes and Colours optional
- Lamp heads include PAR18/MR16 small style, die cast metal MR16 type, and high output industrial type
- Top head mounting is standard, side mount is optional

#### • Compliances

- Certification CSA to C22.2 #141-15
- Meets requirements of ICES-005



### OVERVIEW

Input voltage (V AC)	120/347, 277
Output voltage (V DC)	6, 12, 24
Output power (W)	18 - 720

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



## TYPICAL SPECIFICATION



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Supply and install Stanpro SL (cabinet model A, B, C or D). The unit shall be rated 120 V, 277 V or 347 V, 60 Hz constructed of durable 18 gauge steel and be CSA listed to C22.2 141-15 and be ICES 005 compliant. The unit shall have an output of: \_\_\_V and \_\_\_W and come complete with (0), (1) or (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: \_\_\_\_\_

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.

## QUICK SHIP AND TECHNICAL SPECIFICATION TABLE <sup>1</sup>

Part number	DC Volts	Watts	Nbr of heads	Head	Lamp	Light source	Input Volts	Color
	(V DC)	(W)					(W)	
SLA-1L	6	27	2	N	2	LED	120/347	White
SLA-2L	6	36	2	N	2	LED	120/347	White
SLA-3L	6	36	2	N	3	LED	120/347	White
SLA12-2L	12	72	2	N	2.5	LED	120/347	White
SLA06036-2N09T	6	36	2	N	9	Tungsten	120/347	White
SLA12036-2N09T	12	36	2	N	9	Tungsten	120/347	White
SLA12072-2N09T	12	72	2	N	9	Tungsten	120/347	White
SLB06072-2N09T	6	72	2	N	9	Tungsten	120/347	White
SLB12100-2N09T	12	100	2	N	9	Tungsten	120/347	White
SLC12160-2N09T	12	160	2	N	9	Tungsten	120/347	White
SLC12200-2N09T	12	200	2	N	9	Tungsten	120/347	White
SLC12250-2N09T	12	250	2	N	9	Tungsten	120/347	White
SLC12360-2N09T	12	360	2	N	9	Tungsten	120/347	White

<sup>1</sup> **QUICK SHIP:** Product availability is subject to change without notice. Please contact your Stanpro customer service representative to confirm inventory levels at time of order.

## ORDERING GUIDE

Series	Volts (V DC)	Watts	Heads	Lamp type	Color	Input voltage (V AC)	Options
SLA SLB SLC	06 - 6  12 - 12	See model rating below	<b>0</b> - No Heads <b>1N</b> - One PAR18/MR16 <b>2N</b> - Two PAR18/MR16 <b>3N</b> - Three PAR18/MR16	See lamp list below	<b>WH</b> - White (standard) <b>BK</b> - Black <b>GY</b> - Grey	<b>Blank</b> - 120/347 <b>E</b> - 277	<b>A, ACTB, AT, AUD<sup>1</sup>, AUE, BD, DCTB, FD6, IRT, K5<sup>3</sup>, LD, OBM, RFS, TD, TLP<sup>2</sup>, TP, V</b>
SLC SLD	24 - 24						

<sup>1</sup> Only available with AT.

<sup>2</sup> Only available in 120 V AC.

<sup>3</sup> Only available on SLA and SLB.

## LAMP SELECTION

		6V	12V	24V
<b>PAR18</b> Small head or LED lamp	LED	3LJ, 4LJ, 5LJ	3LJ, 4LJ, 5LJ, 6LA, 7LA	4LR, 5LA, 6LA, 7LA
	Quartz halogen		10Q	
	Tungsten	09T	09T	09T, 18T
<b>MR16</b> Small head c/w MR16 or LED lamp	LED	4LR, 5LA	4LR, 5LA, 6LA, 7LA	4LR, 5LA, 6LA, 7LA
	Quartz halogen	10Q	20Q, 35Q	12Q, 20Q
<b>Industrial</b>	LED		5LJ, 9LJ, 14LJ, 30LJ	5LJ, 9LJ, 14LJ, 30LJ

**Note:** Due to cabinet/space limitations, not all options are available for all models in any given combination. Please consult with your factory representative regarding specific options and exact cabinet dimension information.

## LUMEN TABLE

Watts	Lumens
<b>3W LJ</b>	313
<b>4W LJ</b>	388
<b>5W LJ</b>	590
<b>4W LR</b>	388
<b>5W LA</b>	435
<b>6W LA</b>	507
<b>7W LA</b>	652

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