STANPRO

Project: _____ Type: _____

Drawn by: _____ Catalogue #: _____ Date: _____

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

LINK
EMERGENCY LIGHTING LUMINAIRE
remote normally ON

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.

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TYPICAL SPECIFICATION

TYPICAL SPECIFICATION

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 ± 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 or 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.
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QUICK SHIP AND TECHNICAL SPECIFICATION TABLE

Part number	DC Volts (V DC)	Watts (W)	Nbr of heads	Head	Lamp (W)	Light source	Input Volts (V AC)	Color
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

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	**0 -** No Heads **1N -** One PAR18/MR16 **2N -** Two PAR18/MR16 **3N -** Three PAR18/MR16 **1S -** One MR16 **2S -** Two MR16 **3S -** Three MR16 **1M -** One MR16 **2M -** Two MR16 **3M -** Three MR16 **1I -** One industrial **2I -** Two industrial	See lamp list below	**WH -** White (standard) **BK -** Black **GY -** Grey	**Blank -** 120/347 **E -** 277	**A, ACTB, AT, AUD[1], AUE, BD, DCTB, FD6, IRT, K5[3], LD, OBM, RFS, TD, TLP[2], TP, V**
SLC **SLD**	**24 -** 24						

[1] Only available with AT.
[2] Only available in 120 V AC.
[3] Only available on SLA and SLB.

LAMP SELECTION

		6 V	12 V	24 V
PAR18 Small head or LED lamp	LED	3LJ, 4LJ, 5LJ	3LJ, 4LJ, 5LJ, 6LA, 7LA	4LR, 5LA, 6LA, 7LA
	Tungsten	09T	09T	09T
MR16 Small head c/w MR16 or LED lamp	LED	4LR, 5LA	4LR, 5LA, 6LA, 7LA	4LR, 5LA, 6LA, 7LA
Industrial	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
3W LJ	313
4W LJ	388
5W LJ	590
4W LR	388
5W LA	435
6W LA	507
7W LA	652

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MODEL RATINGS

Model	Volts (V)	Wattage capacities (W)[2]				Cabinet[1]
		30 min.	60 min.	90 min.	120 min.	
SLA06018	6	18	18	12	10	1
SLA06036	6	36	18	12	9	1
SLA06050	6	50	25	16	12	1
SLB06072	6	72	36	24	18	2
SLB06100	6	100	50	33	25	2
SLC06160	6	160	80	53	40	3
SLC06180	6	180	126	87	72	3
SLA12036	12	36	36	24	20	1
SLA12050	12	50	36	24	20	1
SLA12072	12	72	36	24	18	1
SLB12100	12	100	50	33	25	2
SLC12160	12	160	80	53	40	3
SLC12200	12	200	100	66	50	3
SLC12250	12	250	219	169	136	4
SLC12360	12	360	233	164	144	4
SLC24144	24	144	72	48	36	3
SLC24200	24	200	100	66	50	4
SLC24320	24	320	160	160	80	4
SLD24350	24	350	175	116	87	5
SLD24550	24	550	438	338	272	5
SLD24720	24	720	466	328	288	5

[1] The size of the cabinet might change depending of the chosen options.
Please consult with your factory representative regarding exact cabinet dimension information.
[2] It is recommanded to load battery pack 20% under their maximum load.

EMERGENCY LIGHTING OPTIONS

Option	Description
A	Ammeter
ACTB[1]	AC Terminal Block (line cord delete)
AT[2]	Automatic test self-diagnostic
AUD[3]	Audible alarm
AUE	Audible emergency
BD	Battery Disconnect
DCTB	DC Terminal Block
FD6	6 Circuit Fused Internal Distribution
IRT	Infrared Remote Test
K5	1/2" Knockout for pendant mount
LD	Lamp disconnect (internal)
OBM	Octagon Box Mount (line cord delete)
RFS	Radio frequency suppression
TD	Time delay
TLP	Twist Lock Plug
TP	Tamper proof screws
V	Voltmeter

[1] ACTB & TLP are incompatible together.
[2] AT features may overlap with the following options: V, TD, A & RFS. Contact customer service for more information.
[3] Only available with AT.

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WIREGUARD[1]

		Part number	Dimension (in)
Without head	Cabinet 1	WGD520-V2	15.75 x 11.5 x 4.5
	Cabinet 2	WGD520-V2	15.75 x 11.5 x 4.5
	Cabinet 3	WGD590-V2	16.75 x 17.75 x 6.5
	Cabinet 4	WGD650-V2	17.75 x 17.75 x 16.50
	Cabinet 5	WGD600-V2	23 x 20 x 12
With head(s)[2]	Cabinet 1	WGD590-V2	16.75 x 17.75 x 6.5
	Cabinet 2	WGD590-V2	16.75 x 17.75 x 6.5
	Cabinet 3	WGD590-V2	16.75 x 17.75 x 6.5
	Cabinet 4	WGD650-V2	17.75 x 17.75 x 16.50
	Cabinet 5	WGD600-V2	23 x 20 x 12

[1] Please contact your customer service representative for more information.

[2] For I heads, please contact your customer service representative for more information.

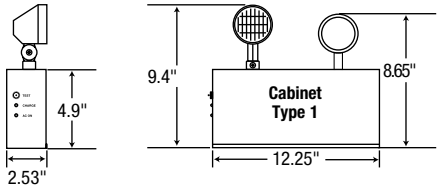
LEXAN GUARD

Mounting type	Number of heads	Input voltage	Part number	Dimension (in)
Wall Mount	1,2	12V036W	PGD107	14.5x11.25x5.5
		12V050W	PGD107	14.5x11.25x5.5
		12V072W	PGD107	14.5x11.25x5.5
		12V160W	PGD111	19.75x14x8
		12V200W	PGD111	19.75x14x8
		24V144W	PGD111	19.75x14x8
		24V200W	PGD111	19.75x14x8

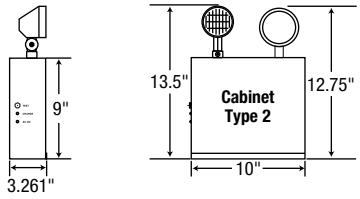
Mounting type	Number of heads	Input voltage	Part number	Dimension (in)
Wall Mount	0	06V018W	PGD107	14.5x11.25x5.5
		06V036W	PGD107	14.5x11.25x5.5
		06V050W	PGD107	14.5x11.25x5.5
		06V072W	PGD107	14.5x11.25x5.5
		06V100W	PGD107	14.5x11.25x5.5
		06V160W	PGD107	14.5x11.25x5.5
		06V180W	PGD107	14.5x11.25x5.5
		12V036W	PGD107	14.5x11.25x5.5
		12V050W	PGD107	14.5x11.25x5.5
		12V072W	PGD107	14.5x11.25x5.5
		12V100W	PGD107	14.5x11.25x5.5
		12V144W	PGD107	14.5x11.25x5.5
		12V160W	PGD107	14.5x11.25x5.5
		12V200W	PGD107	14.5x11.25x5.5
		24V144W	PGD107	14.5x11.25x5.5
		24V200W	PGD107	14.5x11.25x5.5

DIMENSIONS

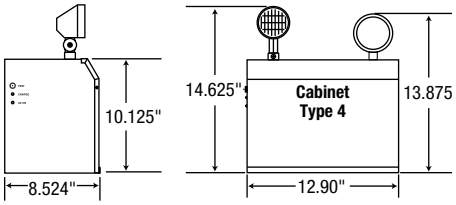
CABINET TYPE 1



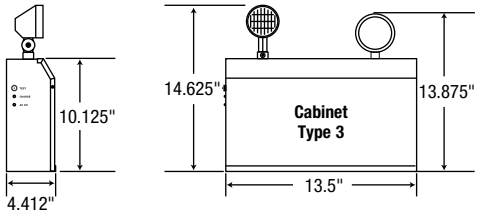
CABINET TYPE 2



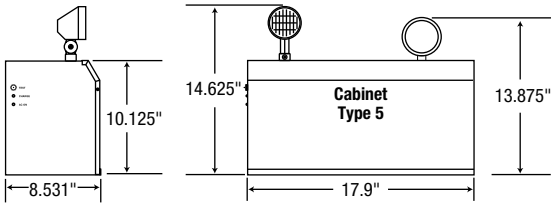
CABINET TYPE 4



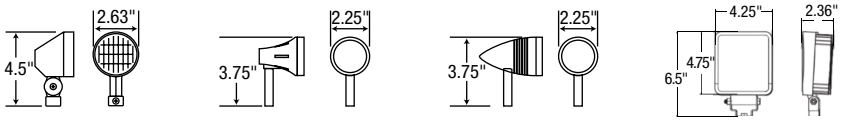
CABINET TYPE 3



CABINET TYPE 5



HEAD



TYPE N - PAR18
Thermoplastic

TYPE S - MR16
Die cast

TYPE M - MR16
Die cast

TYPE I - INDUSTRIAL
Die cast

SPACING GUIDE

Mounting height	Spacing center to center (ft)							I HEAD Spacing center to center (ft)			
	3LJ	4LJ	5LJ	4LR	5LA	6LA	7LA	5 W	9 W	14 W	30 W
8 ft	78	83	118	76	81	94	108	113	165	199	250
10 ft	75	76	118	79	79	93	106	110	160	194	260
15 ft	66	68	104	66	62	82	96	99	147	178	239
20 ft	53	53	91	53	49	73	87	86	133	164	223

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