

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

# LIGHTING LUMINAIRE





#### **OVERVIEW**

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

SLA/SLB/SLC/SLD • Rev. 2024-2-26

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







# 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. All products are subject to change or may be discontinued any time without notice.





#### QUICK SHIP AND TECHNICAL SPECIFICATION TABLE : 1

Part number	heads		Light source	Input Volts	Color			
	(V DC)	(W)			(W)		(V AC)	
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>&</sup>lt;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 Color type		Input voltagé (V AC)		Options	
SLA SLB SLC SLC	06 - 6 12 - 12 24 - 24	See model rating below	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	See lamp list below	WH - BK - GY -	White (standard) Black Grey	,	,	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
			3M - Three MR16 1I - One industrial 2I - Two industrial						

<sup>&</sup>lt;sup>1</sup> Only available with AT.

#### **LAMP SELECTION**

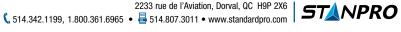
		6 V	12 V	24 V	
PAR18	LED	3LJ, 4LJ, 5LJ	3LJ, 4LJ, 5LJ, 6LA, 7LA	4LR, 5LA, 6LA, 7LA	
Small head or LED lamp	Quartz halogen		10Q		
LED Idilip	Tungsten	09T	09T	09T, 18T	
MR16	LED	4LR, 5LA	4LR, 5LA, 6LA, 7LA	4LR, 5LA, 6LA, 7LA	
Small head c/w MR16 or LED lamp	Quartz halogen	10Q	20Q, 35Q	20Q	
Industrial	LED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

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.



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

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



#### **MODEL RATINGS**

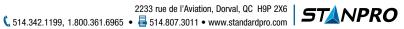
Model	Volts (V)		Cabinet <sup>1</sup>			
wodei	VOILS (V)	30 min.	60 min.	90 min.	120 min.	Cabinet.
SLA06018	6	18	18	12	10	1
SLA06036	6	36	18	12	9	1
SLA06050	6	50	25	16	12	1
SLB06072	6	72	36	24	18	2
SLB06100	6	100	50	33	25	2
SLC06160	6	160	80	53	40	3
SLC06180	6	180	126	87	72	3
SLA12036	12	36	36	24	20	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

<sup>&</sup>lt;sup>1</sup> The size of the cabinet might change depending of the chosen options.

#### **EMERGENCY LIGHTING OPTIONS**

Option	Description
Α	Ammeter
ACTB <sup>1</sup>	AC Terminal Block (line cord delete)
AT <sup>2</sup>	Automatic test self-diagnostic
AUD <sup>3</sup>	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

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.



Please consult with your factory representative regarding exact cabinet dimension information.

It is recommanded to load battery pack 20% under their maximum load

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

Dimension (in)

14.5x11.25x5.5

14.5x11.25x5.5

14.5x11.25x5.5 19.75x14x8

19.75x14x8

19.75x14x8

19.75x14x8

Dimension (in)

14.5x11.25x5.5

14.5x11.25x5.5

14 5x11 25x5 5

14.5x11.25x5.5

14.5x11.25x5.5 14.5x11.25x5.5

Part number

PGD107

PGD107

PGD107

PGD111

PGD111

PGD111

PGD111

Part number

PGD107



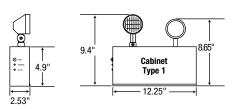
#### WIREGUARD1

		Part number	Dimension (in)
Without	Cabinet 1	WGD520-V2	15.75 x 11.5 x 4.5
head	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	Cabinet 1	WGD590-V2	16.75 x 17.75 x 6.5
head(s)2	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

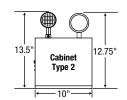
<sup>&</sup>lt;sup>1</sup> Please contact your customer service representative for more information.

#### **DIMENSIONS**

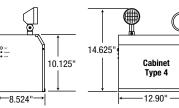
#### **CABINET TYPE 1**



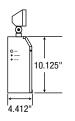
#### **CABINET TYPE 2**

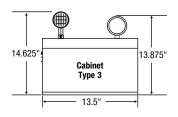


# CABINET TYPE 4

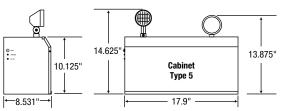


#### **CABINET TYPE 3**





#### **CABINET TYPE 5**



13.875

Mounting type Number

Wall Mount

Mounting type

Wall Mount

Number of heads

Number of heads

Input voltage

12V036W

12V050W

12V072W

12V160W

12V200W

24V144W

24V200W

Input voltage

06V018W

06V036W

06V050W

06V072W

06V100W

06V160W

06V180W

12V036W

12V050W

12V072W

12V100W

12V144W

12V160W

12V200W

24V144W

24V200W

#### HEAD



TYPE N - PAR18
Thermoplastic
18 W max.



TYPE S - MR16 Die cast 35 W max.



TYPE M - MR16 Die cast 35 W max.



YPE I - INDUSTRIA Die cast 14 W max

### **SPACING GUIDE**

									I HE	EAD		
Mounting	Mounting Spacing center to center (ft)								Spacing center to center (ft)			
height	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	

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.



<sup>&</sup>lt;sup>2</sup> For I heads, please contact your customer service representative for more information.