EXP Series

Battery Units,
Self-Powered "Sortie" Signs
Combination Units

Project/Location:

Contractor:

Date:

Prepared by:

CSA certified for use in hazardous locations

The **EXP Series** of battery equipment is designed to cover emergency lighting applications for the entire spectrum of hazardous locations, where inflammable gases, vapors, liquids, dust particles, fabrics or tissues are permanently present or are likely to exist.

In one simple-to-order catalogue family the **EXP Series** combines three traditional emergency lighting products with battery back-up: battery units with emergency lights, Self-Powered Sortie Signs, and combination units with emergency lights and Sortie Sign. The equipment is also available with additional emergency power capacity to drive remote heads and Sortie Signs.

FEATURES

- CSA Certified for use in hazardous locations:
  - Class I, Divisions 1 and 2, Groups A, B, C, D*
  - Class II, Divisions 1 and 2, Groups E, F, G
  - Class III, Divisions 1 and 2
- Die-Cast aluminum body with grey epoxy powder coat finish; clear, impact and heat resistant prismatic glass globe
- Long life, maintenance-free, Lead-Calcium battery; charger is current limited, temperature compensated, short-circuit proof and reverse polarity protected
- Emergency heads with one or twin lamp design
- Sortie Sign is CSA C860 certified
- Self-Powered exit (combo) includes a transfer circuit to drive four LED-based remote Exit Signs
- Sortie Sign uses a LED lamp with **ALINGAP** LEDs
- The Self-Powered version is also CSA C22.2 No. 141 certified

Made in Canada

TYPICAL SPECIFICATIONS

Supply and install the **Emergi-Lite® EXP Series** of hazardous location battery unit equipment. The battery unit housing will be constructed of Die-Cast aluminum with grey epoxy powder coat finish. The equipment shall be rated for 120, 277 or 347V, 60 Hz input and be CSA listed. The equipment shall have an output of _____ V and _____ W and shall supply the rated load for a minimum of 1/2 hour to 87.5% of the rated battery voltage. The battery shall be a long-life, maintenance-free Lead-Calcium type. The charger shall be fully computer tested and have its charge voltage set in the factory to ± 1% tolerance. The charger shall be current limited, temperature compensated, short circuit proof and reverse polarity protected. The charger 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 heads when the utility power dips below 75% of nominal voltage.

Where required the equipment shall come complete with _____ heads, each of them equipped with _____ lamp(s) of _____ W. The head housing shall be Die-Cast aluminum with grey epoxy powder coat finish. The lenses shall be a clear, impact and heat resistant prismatic glass globe. The head shall be factory sealed, with no need for external seals.

Where required the equipment shall come complete with one Exit Sign and will include a transfer circuit to maintain the Exit Sign permanently lighting in both normal and emergency operation. The exit housing shall be industrial grade 14-gauge steel and finished in grey enamel. The faceplate will be constructed of heavy-duty 14-gauge steel and feature universal knockout chevrons and the red letters shall not be less than 6" in height with a 3/4" stroke. The sign shall include an LED lamp with **ALINGAP** LEDs and shall consume less than 5W in either AC or battery mode.

The equipment shall be suitable for Class ___, Division ___, Group ___
The Exit Sign shall be CSA-C860 and approved.
The equipment shall be **Emergi-Lite®** Model: _____ .

POWER CONSUMPTION AND UNIT RATING

MODEL	AC SPECS		WATTAGE CAPACITY				
			30MIN	1H00	1H30	2H00	4H00
06EXP36	120/347VAC	0.50/0.20 A	36	21	15	12	6
06EXP72		0.50/0.20 A	72	42	30	24	12
06EXP108		0.50/0.20 A	108	63	45	36	18
12EXP72		0.50/0.20 A	72	42	30	24	12
12EXP144		0.50/0.20 A	144	84	60	48	24
12EXP200		0.50/0.20 A	200	117	83	67	33
24EXP144		0.50/0.20 A	144	84	60	48	24
24EXP288		0.50/0.20 A	288	168	120	96	48

1.

ENVIRONMENT	SEVERITY CODE
Cl. I, Div. 1, Gr. B	S1
Cl. I, Div. 1, Gr. C, D	S2
Cl. I, Div. 2, Gr. A, B, C, D	S3
Cl. II, Div. 1 & 2, Gr. E, F, G / Cl. III, Div. 1 & 2	S4

2.

CERTIFICATION GUIDE FOR EXP (40°C AMBIENT)				
Severity Code	S1	S2	S3	S4
Temperature Code	T6	T6	T3C	T3C (E.G.F.)
CSA/UL rating	Max. 85°C	Max. 85°C	Max. 160°C	Max. 160°C

NOTE: Units for Class I Group A available without test switch and pilot light allocate 5W of emergency power. Contact your sales representative.

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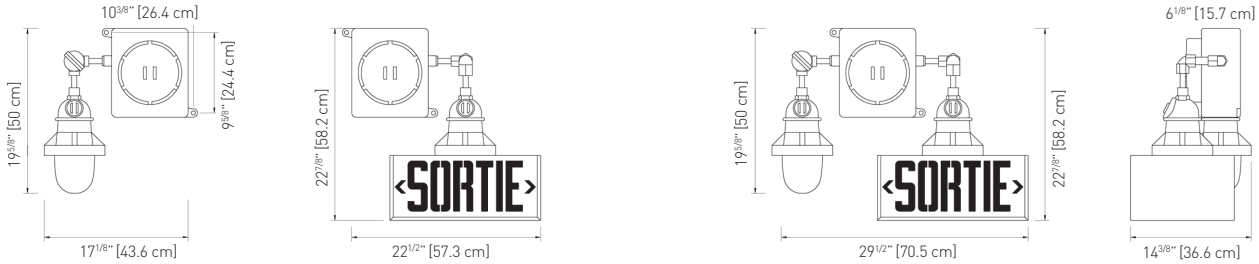
Combination Units

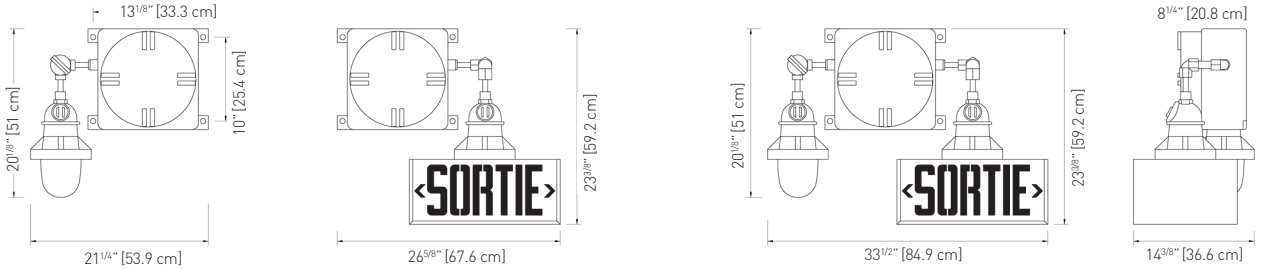
DIMENSIONS

Dimensions are approximate and subject to change.

SMALL CABINET (36-72W)



LARGE CABINET (108-288W)



ORDERING INFORMATION

Before ordering, identify the environment of your application: Class _____,Division _____,Group _____.
Refer to table 1 for the Severity Code to use in your catalogue number. For temperature information, please see table 2.

3. EXP

VOLTAGE	SERIES	CAPACITY CABINET SIZE	AC VOLTAGE	OPTIONS	HEAD STYLE AND WATTAGE	SEVERITY CODE	LAMPS
6= 6V	**EXP**	**36**= 36W **72**= 72W **108**= 108W	**Blank**= 120VAC **-2**= 277VAC **-3**= 347VAC	**Blank**= no options **D**= time delay (15 minutes) **S1**= SORTIE single face, LED **S2**= SORTIE double face, LED **TS**= transfer switch	**Blank**= no heads **/11**= single remote, 1 lamp **/12**= single remote, 2 lamps **/21**= double remote, 1 lamp	**S1**= CL.I, Div.1, Gr. B **S2**= CL.I, Div.1, Gr. C, D **S3**= CL.I, Div.2, Gr. A, B, C, D **S4**= CL.II, Div.1, & 2 Gr.E, F, G CL.III, Div.1 & 2 *For temperature codes, consult your sales representative.	**12**= halogen, 6V, 12V, 12W quartz bi-pin **20**= halogen, 12V, 24V, 20W, quartz bi-pin
12= 12V		**72**= 72W **144**= 144W **200**= 200W					
24= 24V		**144**= 144W **288**= 288W					

EXAMPLE: 06EXP36S112