



Survive-All SV Series

6 or 12 Volt

Nema 4X Battery Unit

Listed to UL 924 standards

Sealed Maintenance-Free Battery

- Lead Calcium
- Nickel Cadmium



General Information

The **Survive-All SV Series** will help change the way typical emergency lighting battery units are perceived. It is designed for use in commercial as well as industrial heavy-duty environments, such as hose-down areas, food-processing facilities, parking garages, and other demanding applications. The visually pleasing design makes it also ideal for schools and other public facilities.

The **Survive-All SV Series** Emergency Battery Unit will provide 90 minutes of illumination for rated wattage upon loss of the AC power.

Standard Features

Reliability: The Survive-All SV Series Emergency Battery Unit carries a 3-year limited warranty.

Unit data

Housing: The equipment is constructed of a die-cast aluminum backplate and an aesthetically pleasing housing, made of industrial grade thermoplastic. The MR16 emergency lights are protected by a UV stabilized clear polycarbonate cover, which is installed with stainless steel tamper-proof screws. A special bit for these screws is provided with every unit and additional bits can be ordered separately (see accessories). Special gaskets are installed to guarantee a watertight, dust-tight NEMA 4X rated enclosure. The thermoplastic housing is available in 3 colors: off- white, black and gray. The unit is NSF Certified for use in food processing plants.

Light Source

The fully field adjustable emergency lighting heads can be equipped with standard MR16 halogen lamps (with a power range of 6 to 20W) or MR16 white LED lamps (the lamp consumes 4 Watts and includes a 3-Watt Luxeon white LED)

Unit Rating Chart

UNIT EQUIPMENT - WITH REMOTE CAPABILITY				
Sealed Maintenance-Free Battery Types	*Watts to 87 1/2% of rated battery voltage			
	1 1/2 hrs.	2hrs.	3hrs.	4 hrs.
Lead-Calcium	18	12	-	-
	24	16	12	-
	36	24	20	14
	54	36	27	20
Nickel-Cadmium	24	18	12	-
	40	30	20	15
Nickel Metal Hydride	60	45	30	20

*National Electrical Code Specification

Charger

The **Survive-All SV Series** Emergency Battery Unit is equipped with a fully automatic Improved Diagnostic Micro-controller based circuitry. The Micro-controller tests, detects and indicates any malfunction or failure of the battery, charger circuitry, or lamps. An external LED signals a general service alarm, while four internal diagnostic LED's indicate the nature of failure. The board is factory preset to non-audible diagnostic and a 15 minutes time delay. These functions can be enabled or disabled during installation. The equipment comes standard with a dual voltage input of 120/277Vac.

Battery

Sealed, Lead-Calcium, battery with capacity of 18W to 54W for 90 minutes of emergency operation at 6Vdc or 12Vdc.

Sealed, Maintenance free Nickel-Cadmium battery is UL listed for wet and damp location from 5°C to 40°C (41°F to 104°F).

Optional features

Description Add Suffix

Cold weather location (-40°C to +40°C) (-40°F to +104°F) ..-CW4*

*Only available 12SV24M and 12SV36M Lead-Calcium battery.

Accessories (order as a separate item)

Additional bit for tamperproof screwsTPB

Universal bracket (for mounting on poles,

I-beams or strut metal framing)PMK

NOTE: Certain option combinations may affect the listings.

Please contact the factory for specifics.

*Unit Warranty

Entire unit (excluding lamps) carries a 3-year full warranty.

*Battery Warranty

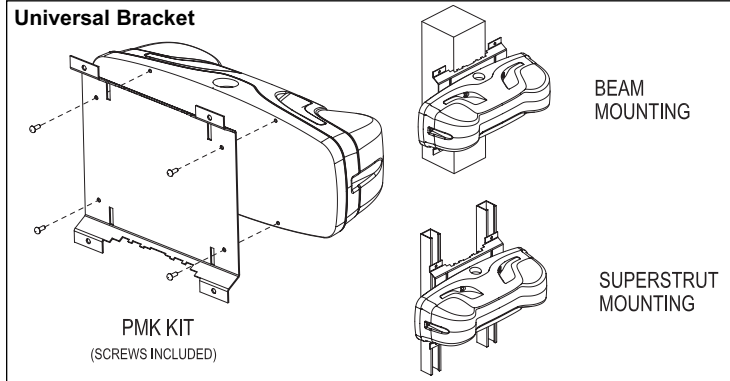
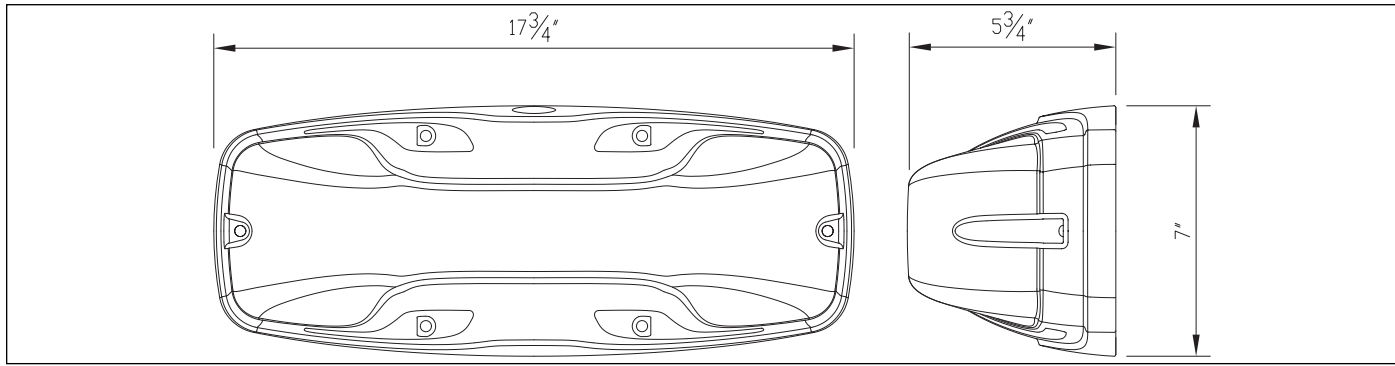
Lead-Calcium batteries carry a 3-year full warranty and 3-year pro-rata warranty.

Nickel-Cadmium batteries carry a 5-year full warranty and 5-year pro-rata warranty.

*Subject to proper installation and maintenance.

Outline and Dimensions

Dimensions are approximate and subject to change.



Mounting

The unit has a universal knockout pattern for direct wall-mounting on the junction box. A 7/8" knockout, located on the side of the top of the unit, is also available for conduit entry. Special bracket can be ordered (see accessories) for mounting on poles, I-beams or Superstrut® structures.

Suggested Specification

Supply and install Emergi-Lite, Survive-All SV Emergency Battery Unit, with electrically compatible fixtures or exit signs as indicated on the plans.

The unit shall include a die-cast aluminum back plate and an equipment frame of industrial grade thermoplastic with a gasket around lenses and canopy, specifically designed for hostile environments. The front of the unit shall be protected with a clear cover constructed of heavy-duty vandal-resistant, UV stabilized polycarbonate, fixed with tamper-proof screws. Emergency lights shall be fully adjustable and equipped with high efficiency MR16 lamps. The unit shall be NEMA 4X rated, NSF certified and designed specifically for high abuse areas, wet and damp locations, as well as cold weather applications (CW4 option).

The equipment shall supply the rated load for a minimum of 90 minutes to 87.5% of the rated battery voltage. The unit shall be rated 120/277Vac, 60Hz, and be UL listed. The unit shall have an output of ___ V ___ W.

The charger shall at first continuously recharge the battery, then when the battery is at full capacity, the charger will periodically pulse-charge the battery in stand-by mode. This pulse-plus charger promotes long battery life and reduces the potential for grid corrosions. Its charge voltage is factory set to +/-1% tolerance and temperature compensated. The charger incorporates Lockout and Brownout Circuits, and Low Voltage Disconnection. It protects the unit from over-current, short-circuit, and reverse polarity.

The Emergi-Lite Advanced Diagnostic Micro-controller board shall self-test for 1 minute every 30 days, 30 minutes on the 6th month and 90 minutes every 12 months. The unit shall be capable of full recharge in compliance with UL specifications. The unit shall be furnished with a magnetic test switch. A "Service Required" lamp shall be located near the test switch and flash when a fault is detected. A LED-based diagnostic display shall be located inside the equipment and shall identify the source of failure (battery, charger, circuitry, or lamps).

The unit shall be Emergi-Lite Model - _____

How To Order

Example: B12SV36M-2MK-D

Color	Series	# of Heads	Lamps	Charger	Options
B = black G = gray W = white	SV18M = 6V - 18W, lead calcium 12SV24M = 12V - 24W, lead calcium 12SV36M = 12V - 36W, lead calcium 12SV54M = 12V - 54W, lead calcium 12SV24N = 12V - 24W, nickel cadmium 12SV40N = 12V - 40W, nickel cadmium 12SV60H = 12V - 60W, NIMH	-2 = 2 heads	L = LED 12V-5W MI = 6V-6W, MR16 MK = 12V-12W, MR16 MW = 12V-20W, MR16-IR	-D = Advanced diagnostic non-audible (standard) -DA = Advanced diagnostic audible	Blank = no options CW4 = cold weather* (-40°C to +40°C) (-40°F to +104°F) *Only available with 12SV24M & 12SV36M.