

EBST

STEEL BATTERY UNIT



The EBST series of commercial steel battery units is designed to provide efficient and reliable emergency lighting. Utilizing a sturdy, all steel housing, the EBST 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 EBST series is available in 6 V DC, 12 V DC and 24 V DC versions in a range of wattage capacities between 18 and 720W, 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 EBST can also accommodate a wide variety of options, including auto-testing self-diagnostics and remote testing.

FEATURES & SPECIFICATIONS

CIRCUITRY




- 120/347 or 277 V AC 60 Hz Input
- 6 V DC, 12 V DC or 24 V DC emergency power output versions (as specified)
- Wattage capacities from 18 to 720 W
- 30 Minutes emergency power duration standard
- Momentary push button test switch
- Diagnostic/pilot LEDs for AC ON and CHARGE
- Maintenance free, sealed lead acid battery
- Optional automatic-testing, self-diagnostic charger board

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 colors 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

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

OVERVIEW	
INPUT VOLTAGE (V AC)	120/347, 277
OUTPUT VOLTAGE (V DC)	6, 12, 24
OUTPUT POWER (W)	UP TO 720
  	

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

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.

TYPICAL SPECIFICATION



TYPICAL SPECIFICATION

Supply and install Aimlite EBST. 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 Aimlite 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 Aimlite battery unit shall come complete with the Auto Test function. The automated testing performed by the Aimlite 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 Aimlite model: _____

QUICK SHIP ORDERING GUIDE



PART NUMBER	DC VOLTS (V DC)	WATTS (W)	NBR OF HEADS	HEAD	LAMP (W)	LIGHT SOURCE	INPUT VOLTS (V AC)	COLOR
EBST-1L	6	27	2	SM	2	LED	120/347	WHITE
EBST-2L	6	36	2	SM	2	LED	120/347	WHITE
EBST-3L	6	36	2	SM	3	LED	120/347	WHITE
EBST12-2L	12	72	2	SM	2.5	LED	120/347	WHITE
EBST06036-2SM09T	6	36	2	SM	9	TUNGSTEN	120/347	WHITE
EBST06072-2SM09T	6	72	2	SM	9	TUNGSTEN	120/347	WHITE
EBST12036-2SM09T	12	72	2	SM	9	TUNGSTEN	120/347	WHITE
EBST12072-2SM09T	12	72	2	SM	9	TUNGSTEN	120/347	WHITE
EBST12100-2SM09T	12	100	2	SM	9	TUNGSTEN	120/347	WHITE
EBST12160-2SM09T	12	160	2	SM	9	TUNGSTEN	120/347	WHITE
EBST12200-2SM09T	12	200	2	SM	9	TUNGSTEN	120/347	WHITE
EBST12250-2SM09T	12	250	2	SM	9	TUNGSTEN	120/347	WHITE
EBST12360-2SM09T	12	360	2	SM	9	TUNGSTEN	120/347	WHITE

QUICK SHIP: Product availability is subject to change without notice. Please contact your AimLite customer service representative to confirm inventory levels at time of order.

ORDERING GUIDE

EBST

SERIES	VOLTS (V DC)	WATTS	HEAD/LAMP	LAMP TYPE	COLOR	INPUT VOLTAGE (V AC)	OPTIONS
EBST	06 - 6 12 - 12 24 - 24	SEE MODEL RATING BELOW	0 - NO HEADS 1SM - ONE PAR18/MR16 2SM - TWO PAR18/MR16 3SM - THREE PAR18/MR16 1MD - ONE MR16 2MD - TWO MR16 3MD - THREE MR16 1MB - ONE MR16 2MB - TWO MR16 3MB - THREE MR16 1HD - ONE INDUSTRIAL 2HD - TWO INDUSTRIAL	SEE LAMP LIST BELOW	WHT - WHITE [STANDARD] BLK - BLACK GRY - GREY	BLANK - 120/347 277 - 277	AMP, ACT, ATD, AUD ¹ , AUE, BTD, DCT, FS6, RMT, K5, LPD, NLC, RDS, TDL, TLP ² , VDR, VLT

¹ Only available with AT

² Only available in 120 VAC

OPTIONS

DESCRIPTION	DESCRIPTION
AMP AMMETER	K5 1/2" KNOCKOUT FOR PENDANT MOUNT
ACT¹ AC TERMINAL BLOCK (LINE CORD DELETE)	LPD LAMP DISCONNECT (INTERNAL)
ATD² AUTOMATIC TEST SELF-DIAGNOSTIC	NLC OCTAGON BOX MOUNT (LINE CORD DELETE)
AUD³ AUDIBLE ALARM	RDS RADIO FREQUENCY SUPPRESSION
AUE AUDIBLE EMERGENCY	TDL TIME DELAY
BTD BATTERY DISCONNECT	TLP¹ TWIST LOCK PLUG
DCT DC TERMINAL BLOCK	VDR TAMPER PROOF SCREWS
FS6 6 CIRCUIT FUSED INTERNAL DISTRIBUTION	VLT VOLTMETER
RMT INFRARED REMOTE TEST	

¹ ACT & TLP are incompatible together.

² ATD features may overlap with the following options: VLT, TDL, AMP & RDS. Contact customer service for more information.

³ Only available with ATD.