

STEEL BATTERY UNIT

6V, 12V or 24V Models

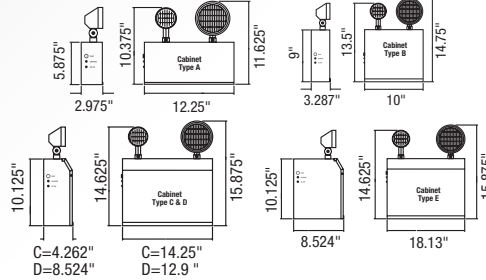
18-720W Capacity

120/347VAC Input



Approvals:

CSA Certified to C22.2 #141



DESCRIPTION

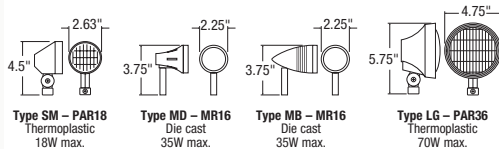
The EBST series of commercial steel battery units is designed to provide efficient and reliable emergency lighting. Utilizing a sturdy, all steel housing, the EBST presents a modern and unobtrusive design. On higher capacity models, the cabinet front is sloped to allow better internal access and superior low angle light distribution. The EBST series is available in 6VDC, 12VDC and 24VDC versions in a range of wattage capacities between 18 and 720W, for 30 minutes duration. Units are typically supplied with two top mounted PAR18 or PAR36 type heads, 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.

MECHANICAL

- 120VAC 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 small style, PAR36 large style and die cast metal MR16 type
- Top head mounting is standard, side mount is optional

CIRCUITRY

- 120/347VAC 60Hz Input, field selectable
- High efficiency, rapid recovery, precision control charging system
- 6VDC, 12VDC or 24VDC emergency power output versions (as specified)
- Wattage capacities from 18 to 720W
- 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
- Load connection 72W and above
- 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



ORDERING GUIDE

Series	Voltage	Wattage	Head/Lamp	Lamp	Colour	Options†
EBST	06 - 6VDC 12 - 12VDC 24 - 24VDC	See model rating below	0 - No Heads 1SM - One PAR18 2SM - Two PAR18 1LG - One PAR36 2LG - Two PAR36	1MD - One MR16 2MD - Two MR16 1MB - One MR16 2MB - Two MR16	See lamp list below	WHT - White (standard) BLK - Black GRY - Grey WST - Whist ATD, TDL*, LPD, BTD, VLT, AMP, ACT, DCT, FS4, RDS*, NLC, TLP, CAB, VDR, MTS, WRG, IRT, IRC

† For detailed options descriptions, please consult the options page. * Specify AC voltage.

LAMP SELECTION

	6 Volts	12 Volts	24 Volts
PAR18 - Small head or LED Lamp			
LED	3LJ, 4LJ, 5LA	3LJ, 4LJ, 5LA, 6LA, 7LA	4LR, 5LA, 6LA, 7LA
Quartz halogen	08Q, 10Q, 12Q	08Q, 10Q, 12Q	12Q
Tungsten	09T	09T, 12T, 18T	09T, 18T
MR16 - Small head c/w MR16 or LED Lamp			
LED	4LR, 5LA	4LR, 5LA, 6LA, 7A	4LR, 5LA, 6LA, 7LA
Quartz halogen	08Q, 10Q, 12Q, 20Q	08Q, 10Q, 12Q, 20Q, 35Q	10Q, 12Q, 20Q
PAR36 - Large head			
Quartz halogen	08Q, 10Q, 12Q, 20Q	8Q, 10Q, 12Q, 20Q, 35Q	12Q, 20Q
Tungsten	09T, 18T, 25T	09T, 18T, 25T	09T, 18T, 25T
Quartz sealed beam	08SBQ, 10SBQ, 12SBQ, 20SBQ	08SBQ, 12SBQ, 35SBQ, 55SBQ	55SBQ, 70SBQ
Tungsten sealed beam	08SBT, 09SBT, 18SBT	25SBT	N/A

MODEL RATINGS

Model	Voltage	Wattage Capacities				
		30 min.	60 min.	90 min.	120 min.	Cabinet
EBST-06018	6V	18	9	N/A	N/A	A
EBST-06036	6V	36	18	12	9	A
EBST-06050	6V	50	25	16	12	A
EBST-06072	6V	72	36	24	18	B
EBST-06100	6V	100	50	33	25	B
EBST-06160	6V	160	80	53	40	C
EBST-06180	6V	180	90	60	45	C
EBST-12036	12V	36	18	12	9	A
EBST-12050	12V	50	25	16	12	A
EBST-12072	12V	72	36	24	18	A
EBST-12100	12V	100	50	33	25	B
EBST-12144	12V	144	72	48	36	C
EBST-12160	12V	160	80	53	40	C
EBST-12200	12V	200	100	66	50	C
EBST-12250	12V	250	125	83	62	D
EBST-12360	12V	360	180	120	90	D
EBST-24144	24V	144	72	48	36	C
EBST-24200	24V	200	100	66	50	C
EBST-24320	24V	320	160	106	80	D
EBST-24350	24V	350	175	116	87	E
EBST-24550	24V	550	275	183	137	E
EBST-24720	24V	720	360	240	180	E

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.