

EBWD WEATHER-PROOF BATTERY UNIT

The EBWD series of NEMA4X and EEMAC4X rated weatherproof battery units is designed to operate in the most extreme environments. The fully gasketed, reinforced, non-metallic housing features a hinged cover that secures with durable screw locks. Supplied with wet location anti vandal heads designed to perform in extreme environments, they are completely protected from the elements within a fully gasketed polycarbonate housing.



FEATURES AND SPECIFICATIONS

CIRCUITRY

- 120/347 V AC or 277 V AC, 60 Hz Input
- High efficiency, rapid recovery, precision control charging system
- Liquid-tight, momentary push button test switch
- Diagnostic/pilot LEDs for AC ON and CHARGE
- Fully automatic, current limited charger
- Temperature compensated
- Large magnum terminal screw type connectors for remote load connection
- Brownout and short circuit protection
- Complete battery recharge in 24 hours
- Maintenance free, sealed lead acid battery which will provide the specified wattage for 30 minutes duration
- Optional automatic-testing, self-diagnostic charger board

MECHANICAL




- Fully gasketed, reinforced, non-metallic housing - will not corrode or rust from water exposure
- NEMA4X / EEMAC4X rated design
- 120 V AC line cord with liquid-tight strain relief supplied standard
- Grey finish standard
- Heads Polycarbonate enclosure is fully gasketed around lens to prevent water infiltration
- Wet location
- Lamps are fully adjustable
- Normal operating temperature +10°C to +25°C and -20°C to +25°C with the HTR option

APPROVALS

- CSA 22.2 No.141-15 Performance Certified

COMPLIANCES

- Meets requirements of ICES-005

OVERVIEW			
LIGHT SOURCE	LED	OUTPUT VOLTAGE (V DC)	6, 12, 24
INPUT VOLTAGE (V AC)	120/347, 277	OUTPUT POWER (W)	72 - 720
  			

Not all products are qualified on the DLC QPL. To view our DLC qualified products, please consult the DLC Qualified Products List at www.designlights.org/search.

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

TYPICAL SPECIFICATION



TYPICAL SPECIFICATION

Supply and install Aimlite EBWD. The unit shall be rated 120 V, 277 V or 347 V, 60 Hz constructed of durable polycarbonate housing and be CSA listed to C22.2 141-15 Nema NEMA4X / EEMAC4X and be ICES 005 compliant. The unit shall have an output of: __V and __W and come complete with [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 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 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: EBWD _____

ORDERING GUIDE

EBWD							GRY	BLANK	/								
SERIES	VOLTS [V]	WATTS	HEAD QUANTITY		LAMP QUANTITY		LAMP	COLOR	HEAD COLOUR	INPUT VOLTAGE		OPTIONS					
EBWD	06 - 6	072 - 72	0 -	NO HEADS	1 -	SINGLE LAMP ASSEMBLY	4WLR	GRY - GREY	BLANK - BLACK	BLANK -	120/347	AMP, ACT, ATD, AUD ¹ , AUE, DCT, FS6, HTR ² , LPD, NLC, RDS, RMT, TDL, TLP, VDR, VLT					
		100 - 100	1R -	ONE HOUSING AT THE BOTTOM									2 -	DOUBLE LAMP ASSEMBLY	5WLA		
		160 - 160															
	180 - 180	2R -	TWO HOUSING ON THE SIDE														
	12 - 12	072 - 72	3R -	TWO HOUSING ON THE SIDE AND ONE AT THE BOTTOM												4WLR	
		100 - 100															5WLA
		160 - 160															
	24 - 24	200 - 200														6WLA	
		250 - 250															7WLA
		360 - 360															
		144 - 144														4WLR	
		200 - 200															5WLA
		320 - 320															
		350 - 350														6WLA	
		550 - 550															7WLA
720 - 720																	

¹ Only available with ATD.

² Specify AC voltage.

MODEL RATINGS

MODEL	VOLTS [V]	WATTAGE CAPACITIES [W]				DIMENSION
		30 MIN.	60 MIN.	90 MIN.	120 MIN.	
EBWD06072	6	72	36	24	18	1
EBWD06100		100	50	33	25	1
EBWD06160		160	80	53	40	1
EBWD06180		180	90	60	45	1
EBWD12072	12	72	36	24	18	1
EBWD12100		100	50	33	25	1
EBWD12160		160	80	53	40	1
EBWD12200		200	100	66	50	1
EBWD12250		250	125	83	62	1
EBWD12360		360	180	120	90	1
EBWD24144	24	144	72	48	36	1
EBWD24200		200	100	66	50	1
EBWD24320		320	160	106	80	1
EBWD24350		350	175	117	88	1
EBWD24550		550	275	184	138	2
EBWD24720		720	360	240	180	2

LUMEN TABLE

WATTS	LUMENS
4W LR	388
5W LA	435
6W LA	507
7W LA	652

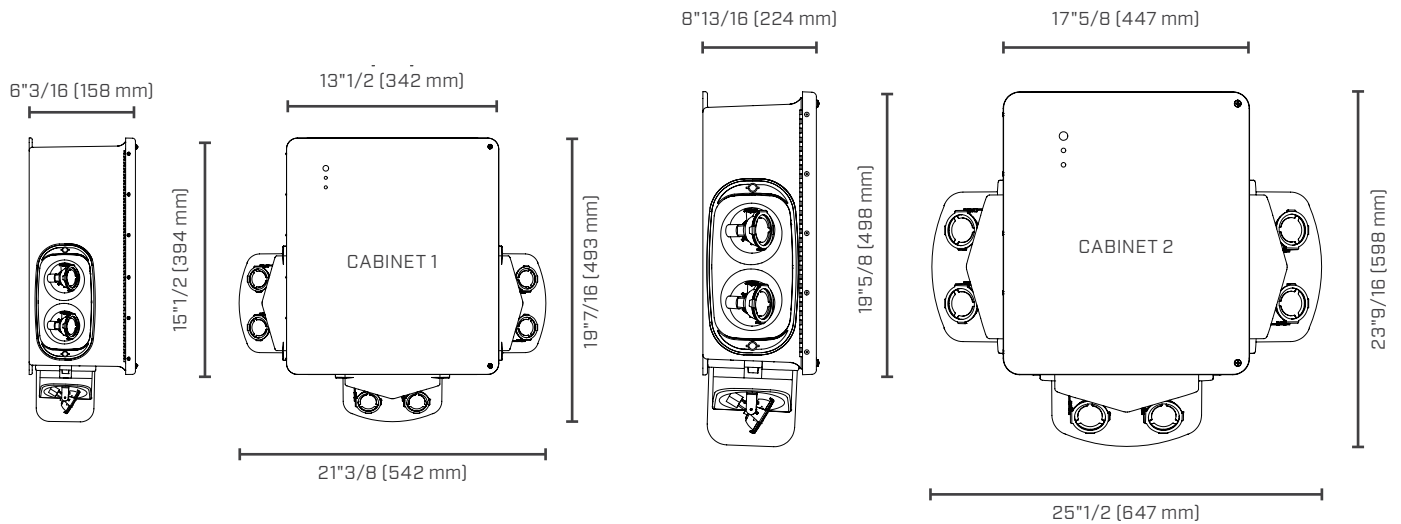
LAMP SELECTION

MR16	6 V	12 V	24 V
SMALL HEAD C/W MR16 OR LED LAMP			
LED	4WLR, 5WLA	4WLR, 5WLA, 6WLA, 7WLA	4WLR, 5WLA, 6WLA, 7WLA

EMERGENCY LIGHTING OPTIONS

DESCRIPTION		DESCRIPTION	
AMP	AMMETER (INTERNAL)	RMT	INFRARED REMOTE TEST
ACT	AC TERMINAL BLOCK (LINE CORD DELETE)	LPD	LAMP DISCONNECT (INTERNAL)
ATD	AUTOMATIC TEST SELF-DIAGNOSTIC	NLC	OCTAGON BOX MOUNT (LINE CORD DELETE)
AUD	AUDIBLE ALARM	RDS	RADIO FREQUENCY SUPPRESSION
AUE	AUDIBLE EMERGENCY	TDL	TIME DELAY
DCT	DC TERMINAL BLOCK	TLP	TWIST LOCK PLUG
FS6	6 CIRCUIT FUSED INTERNAL DISTRIBUTION	VLT	VOLTMETER (INTERNAL)
HTR	INTERNAL THERMOSTATICALLY CONTROLLED BATTERY HEATER (SPECIFY VOLTAGE)		

DIMENSIONS



SPACING GUIDE*

MOUNTING HEIGHT	SPACING CENTER TO CENTER (FT)			
	4LR	5LA	6LA	7LA
8 FT	76	81	94	108
10 FT	79	79	93	106
15 FT	66	62	82	96
20 FT	53	49	73	87

*Spacing is based on the 2R (Two housing on the side) -1 (Single lamp assembly) configuration. For all other spacing please contact factory.