REMOTE LOADS GUIDELINE

BATTERY UNITS COMPLETE WITH LED HEADS[1]

		WATTAGE CAPACITIES (W)															
		TIME (MINS)															
MODEL	VOLTS (V)	30	60	90	120	150	180	210	240	270	300	330	360	390	420	450	480
EBST-2L (4W ALREADY LOADED)	6	32	16	11	8	6	5	4	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
EBST12-2L (5W ALREADY LOADED)	12	67	33.5	22.3	17	13	11	9.5	8	7.5	6.7	6	5.5	5	5	5	5

STANDARD BATTERY UNIT[1]

		WATTAGE CAPACITIES (W)			
		TIME (MINS)			
MODEL	VOLTS (V)	30	60	90	120
EBST-06018	6	18	9	N/A	N/A
EBST-06036	6	36	18	12	9
EBST-06050	6	50	25	16	12
EBST-06072	6	72	36	24	18
EBST-06100	6	100	50	33	25
EBST-06160	6	160	80	53	40
EBST-06180	6	180	90	60	45
EBST-12036	12	36	18	12	9
EBST-12050	12	50	25	16	12
EBST-12072	12	72	36	24	18
EBST-12100	12	100	50	33	25
EBST-12144	12	144	72	48	36
EBST-12160	12	160	80	53	40
EBST-12200	12	200	100	66	50
EBST-12250	12	250	125	83	62
EBST-12360	12	360	180	120	90
EBST-24144	24	144	72	48	36
EBST-24200	24	200	100	66	50
EBST-24320	24	320	160	106	80
EBST-24350	24	350	175	116	87
EBST-24550	24	550	275	183	137
EBST-24720	24	720	360	240	180

LOAD PER LED SIGN WHEN USING UNVDC

MODEL	MAX WATTAGE DRAW (W)
RPSP	2.1
RPNP	2.75
RPST	1.9
RPALW	1.9
RPEL	2.6
RPN	1.2

PLASTIC REMOTE HEAD

MODEL	MAX WATTAGE DRAW (W)
RMSM	3
	4
	5
	6
	7

[1] Please ensure you calculate at least 20% less than the capacity of the battery when adding load

T 514 227-1288 TF 1 866 348-2374 aimlite.com

SCENARIO 1

1/2 HR RUN TIME REQUIREMENT

1 x EBST-2L
6V36W WITH 2 X 2W LED HEADS MOUNTED TO THE BATTERY = 4W

2 x RPNP SERIES SIGNS
EACH SIGN REQUIRES 2.75W EA, TOTAL LOAD FOR THE SIGNS = 5.5W

6 x RMSM 1 AT 3W EACH
EACH REMOTE HEAD HAS 3W OF POWER = 18W

TOTAL LOAD CONNECTED TO THE BATERY UNIT IS = 27.5W

You want to leave about 20% gap between the capacity of the battery and the amount of load you attach to it in order to maximize the life cycle of the battery

SCENARIO 2

2 HR RUN TIME REQUIREMENT

6 x EBST12250-2SM5LA
12V250W WITH 2 X 5W LED HEADS MOUNTED TO THE BATTERY = 60W

10 x RPNP SERIES SIGNS
EACH SIGN REQUIRES 2.75W EA, TOTAL LOAD FOR THE SIGNS = 27.75W

10 x RMSM 1 AT 5W EACH
EACH REMOTE HEAD HAS 5W OF POWER = 50W

20 x RMSM 2 AT 5W EACH
EACH DOUBLE REMOTE HEAD HAS 10W OF POWER = 200W

TOTAL LOAD CONNECTED TO THE BATERY UNIT IS = 1151W

You want to leave about 20% gap between the capacity of the battery and the amount of load you attach to it in order to maximize the life cycle of the battery

T 514 227-1288 TF 1 866 348-2374 aimlite.com