

Specification

Nominal Voltage	12 volts
Nominal Capacity	570W/cell @ 5 min. rate (1.60V/cell) 304W/cell @ 15 min. rate (1.60V/cell)
Max. Discharge Current (5s)	900A (5s)
Battery Life	Stand by: up to 10 years
Approximate Weight	55.99 lbs (24.40 kg)
Case Material	ABS - 94V-0 Flame Retardant Case
Internal Resistance (approx.)	5mΩ
AGM Operational Temperature	
Charge	32°F to 104°F (0°C to 40°C)
Discharge	5°F to 113°F (-15°C to 45°C)
AGM Storage Temperature	5°F to 104°F (-15°C to 40°C)



Charge Method (Constant Voltage)

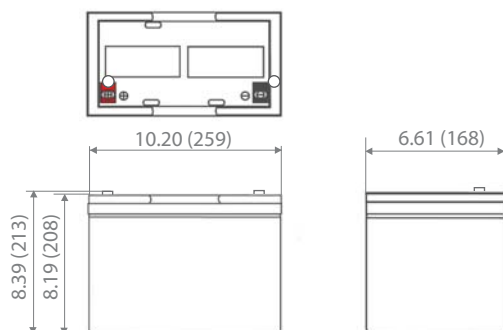
Cycle Use (Repeating Use)

Initial Current	28 A or smaller
Control Voltage	14.6-14.8 V

Float Use

Control Voltage	13.6-13.8 V
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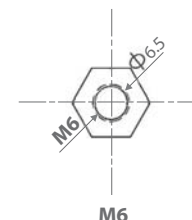
Physical Dimensions: in (mm)



L: 10.20 in (259 mm)
W: 6.61 in (168 mm)
H: 8.19 in (208 mm)
TH: 8.39 in (213 mm)
 Tolerances are +/- 0.04 in. (+/- 1mm)
 and +/- 0.08 in. (+/- 2mm) for height
 dimensions. All data subject to
 change without notice.



Terminals



Constant Current Discharge Characteristics Unit: A (25°C, 77°F)

F.V/Time	5MIN	10MIN	15MIN	30MIN	60MIN	2HR	3HR	5HR	10HR	20HR
1.60V	314.0	211.0	160.0	95.0	55.0	26.6	21.9	14.50	7.89	4.12
1.67V	290.0	204.0	155.0	94.0	54.2	26.1	21.7	14.40	7.81	4.10
1.70V	282.0	201.0	148.0	92.0	54.1	25.8	20.0	14.30	7.65	4.08
1.75V	255.0	190.0	124.0	91.0	53.2	25.0	19.6	14.10	7.58	4.04
1.80V	224.0	175.0	119.0	88.0	52.1	23.9	19.4	13.80	7.50	3.90

Constant Power Discharge Characteristics Unit: W (25°C, 77°F)

F.V/Time	5MIN	10MIN	15MIN	30MIN	60MIN	2HR	3HR	5HR	10HR	20HR
1.60V	3420.0	2371.2	1824.0	1042.8	592.8	330.0	230.9	162.2	94.86	50.29
1.67V	3300.0	2324.7	1750.0	1018.0	586.9	328.0	229.6	160.1	94.25	50.39
1.70V	3201.0	2190.0	1705.0	1010.0	580.0	324.0	228.0	159.1	92.41	49.88
1.75V	2950.0	2191.1	1498.0	988.0	569.7	320.0	225.9	153.6	91.19	48.40
1.80V	2590.0	1850.0	1411.0	952.0	553.2	315.0	221.5	150.6	90.58	47.90

BU-HRL12290W FR is specially designed according with IEC 60896-21/22:2004, etc for high rate discharge applications requiring long service life. The patented hydro-form in case formation assures the customer of tighter battery performance tolerances for series applications, longer shelf life due to very low self-discharge rates and industry leading performance in a small foot print. Special grid alloys extend battery life in higher temperature environments and improve battery performance through improved conductance. The batteries are designed to provide over 275 cycles at 100% depth of discharge and up to 10 years in standby service applications. Approved for transport by air. D.O.T., I.A.T.A., F.A.A. and C.A.B. certified. UL recognized under file number MH 20567.