

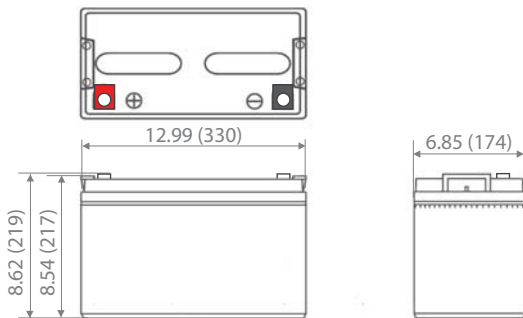
Specification

Nominal Voltage	12 volts
Nominal Capacity	775W/cell @ 5 min. rate (1.60V cell) 413W/cell @ 15 min. rate (1.60V cell)
Max. Discharge Current (5s)	1200A (5s)
Battery Life	Stand by: up to 10 years
Approximate Weight	68.12 lbs (30.90 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	33 A or smaller
Control Voltage	14.6-14.8 V
Float Use	
Control Voltage	13.6-13.8 V

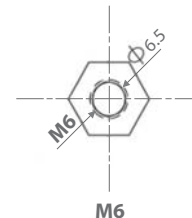
Physical Dimensions: in (mm)



L: 12.99 in (330 mm)
W: 6.85 in (174 mm)
H: 8.54 in (217 mm)
TH: 8.62 in (219 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	3HR	5HR	8HR	10HR	20HR
1.60V	385.0	265.0	203.0	115.8	64.9	27.20	18.10	12.70	10.50	5.45
1.67V	358.0	243.0	189.0	103.0	61.5	26.10	17.80	12.60	10.30	5.40
1.70V	348.0	235.0	184.0	101.0	60.6	25.70	17.60	12.40	10.20	5.34
1.75V	317.0	217.0	170.0	92.1	56.5	24.80	17.20	12.20	10.10	5.29
1.80V	279.0	196.0	151.0	83.7	50.8	23.70	16.70	12.00	10.00	5.20

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

F.V/Time	5MIN	10MIN	15MIN	30MIN	60MIN	3HR	5HR	8HR	10HR	20HR
1.60V	4650	3276.0	2480.0	1449.0	848.0	328.1	242.9	155.0	124.03	65.25
1.67V	4220	3050.0	2345.0	1433.9	810.0	326.3	243.0	153.0	124.03	65.25
1.70V	4000	2940.0	2333.0	1414.4	794.0	324.0	240.0	151.0	123.77	65.12
1.75V	3620	2770.0	2343.0	1382.9	766.0	321.1	235.0	150.0	123.12	64.80
1.80V	2848	2600.0	2050.0	1331.8	750.0	314.7	225.0	148.0	121.24	63.50

BU-HRL12390 FR is specially designed 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. U.L. recognized under file number MH 20567.