

## UL 1200-2



## Physical Specification

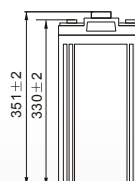
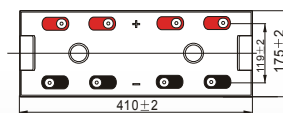
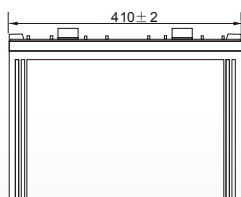
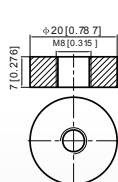
Part Number:	UL1200-2
Length:	475 ± 2 mm (18.70 inches)
Width:	175 ± 2 mm (6.89 inches)
Container Height:	328 ± 2 mm (12.91 inches)
Total Height (with terminal):	350 ± 2 mm (13.78 inches)
Approx Weight:	Approx 63.7kg (155.2 lbs)

## Specifications

Terminal Type	Normal Voltage	2V
	Normal Capacity (20HR)	1200AH
	Standard Terminal	F11
Container Material	Optional Terminal	-
	Standard Option	ABS
Rated Capacity	Flame Retardant Option (FR)	UL94:VO
	1260.0 AH/63.0A	(20hr, 1.80V/cell, 25°C / 77°F)
	1200.0 AH/120.0A	(10hr, 1.80V/cell, 25°C / 77°F)
	1026.0 AH/205.2A	(5hr, 1.75V/cell, 25°C / 77°F)
	900.0 AH/300.0A	(3hr, 1.75V/cell, 25°C / 77°F)
Max Discharge Current	720.0 AH/720.0A	(1hr, 1.60V/cell, 25°C / 77°F)
	9600A (5s)	
Internal Resistance	Approx 0.4mΩ	
Discharge Characteristics	Operating Temp. Range	Discharge: -15 ~ 50°C (5 ~ 122°F)
		Charge: 0 ~ 40°C (5 ~ 104°F)
		Storage: -15 ~ 40°C (5 ~ 104°F)
	Nominal Operating Temp. Range	25 ± 3°C (77 ± 5°F)
	Cycle Use	Initial Charging Current less than 360.0A. Voltage 2.4V ~ 2.5V at 25°C (77°F) Temp. Coefficient -5mV/°C
	Standby Use	No limit on Initial Charging Current Voltage 2.25V ~ 2.3V at 25°C (77°F) Temp. Coefficient -3mV/°C
	Capacity affected by Temperature	40°C (104°F) 103%
Design Floating Life at 20°C	10 Years	25°C (77°F) 100%
		0°C (32°F) 86%
Self Discharge	Ultracell batteries may be stored for up to 6 months at 25°C(77°F) and then a refresh charge is required. For higher temperatures the time interval will be shorter.	

## Dimensions

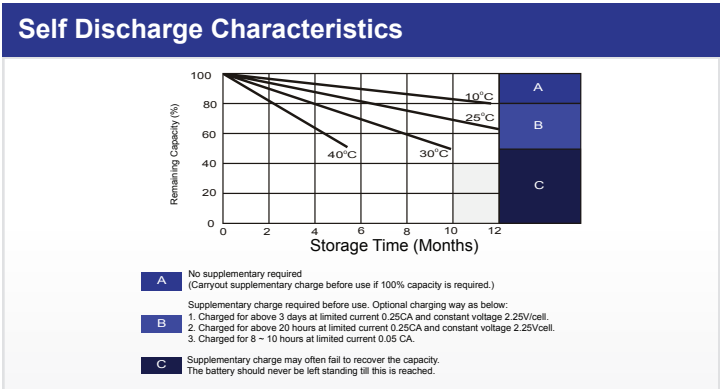
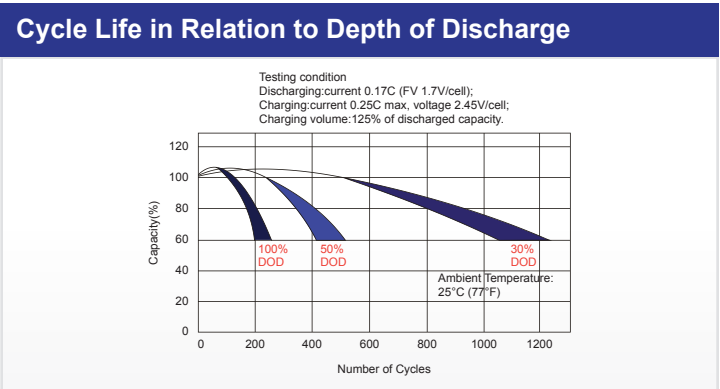
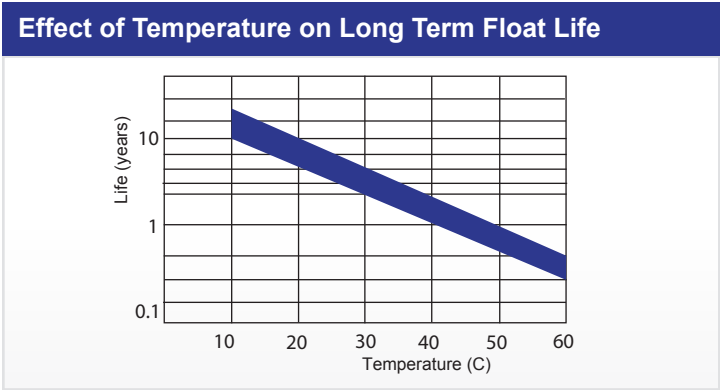
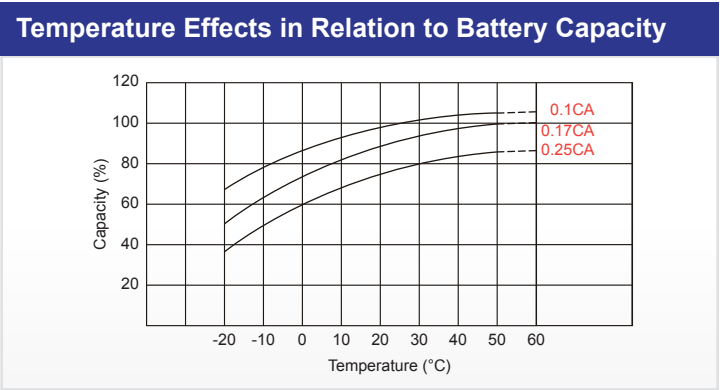
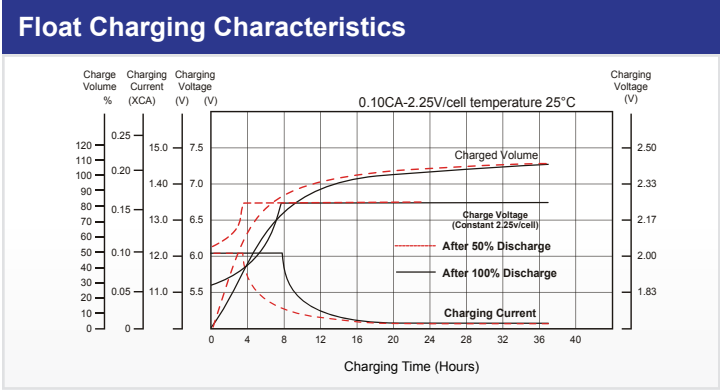
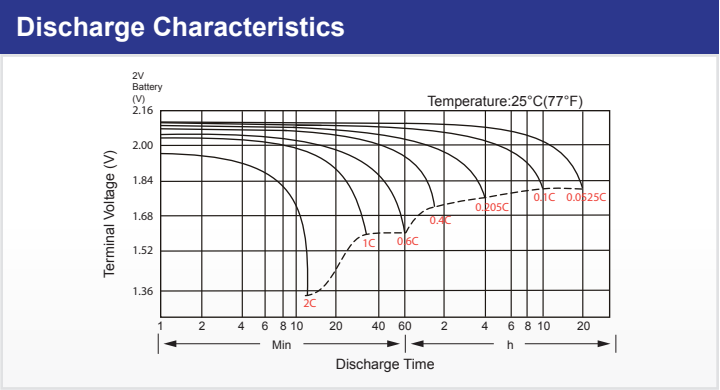
### F11 Terminal



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Constant Current Discharge (Amperes) at 25°C (77°F)															
F.V/Time	5 min	10 min	15 min	20 min	30 min	45 min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	1400.1	1233.6	1084.3	959.9	802.2	651.5	531.9	356.4	272.4	219.6	188.0	165.4	134.1	114.6	60.8
1.80V/cell	1704.0	1443.6	1235.7	1075.9	881.4	700.7	566.5	375.0	295.2	227.1	195.6	172.4	140.6	120.0	63.0
1.75V/cell	\	1654.2	1398.0	1192.3	958.8	758.5	609.6	397.8	300.0	239.7	205.2	180.6	144.2	122.4	63.8
1.70V/cell	\	1869.9	1545.1	1311.1	1041.8	810.2	645.4	420.0	313.2	249.6	213.5	187.0	148.8	125.4	65.2
1.65V/cell	\	\	1643.9	1385.9	1091.7	842.1	670.6	433.8	323.2	257.1	219.3	190.4	151.5	127.4	66.3
1.60V/cell	\	\	1847.8	1545.1	1194.0	910.9	720.0	455.4	336.8	267.9	229.5	198.8	157.2	131.5	68.3

Constant Power Discharge (Watts) at 25°C (77°F)															
F.V/Time	5 min	10 min	15 min	20 min	30 min	45 min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	2573.9	2291.0	2034.2	1818.9	1537.0	1258.9	1031.2	695.7	533.7	431.6	370.5	326.8	266.1	227.9	121.0
1.80V/cell	3099.5	2649.7	2287.1	2009.0	1663.1	1343.4	1092.6	727.1	575.1	443.9	383.6	339.3	278.1	238.3	125.2
1.75V/cell	\	2987.8	2555.9	2205.1	1794.2	1440.3	1170.4	768.5	582.2	466.9	401.1	354.3	284.5	242.8	126.7
1.70V/cell	\	3301.3	2785.8	2406.8	1938.9	1532.9	1235.0	809.7	606.7	485.3	416.6	366.3	293.4	248.6	129.3
1.65V/cell	\	\	2941.3	2525.1	2015.0	1579.0	1274.1	831.4	623.4	498.0	426.6	371.9	298.0	252.2	131.3
1.60V/cell	\	\	3251.8	2784.7	2188.7	1698.9	1360.8	868.6	646.7	517.3	444.9	387.1	308.6	259.8	135.1



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