

### UXL26-12



### Physical Specification

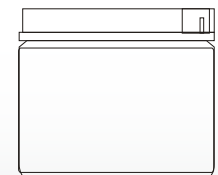
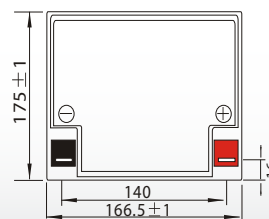
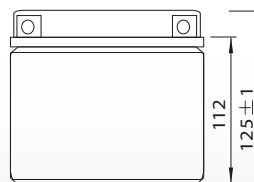
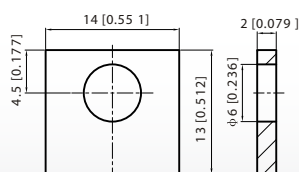
Part Number:	<b>UXL26-12</b>
Length:	<b>166.5 ± 3 mm (6.56 inches)</b>
Width:	<b>175 ± 3 mm (6.89 inches)</b>
Container Height:	<b>125 ± 3 mm (4.92 inches)</b>
Total Height (with terminal):	<b>125 ± 3 mm (4.92 inches)</b>
Approx Weight:	<b>Approx 8.4 Kg (18.5 lbs)</b>

### Specifications

	Nominal Voltage	12V
	Nominal Capacity (10HR)	26AH
Terminal Type	Standard Terminal	F3
	Optional Terminal	F12
Container Material	Standard Option	ABS
	Flame Retardant Option (FR)	ABS (UL94:VO)
Rated Capacity	27.6AH/1.38A	(20hr, 1.80V/cell, 25°C / 77°F)
	26.0 AH/2.60A	(10hr, 1.80V/cell, 25°C / 77°F)
	22.5 AH/4.51A	(5hr, 1.75V/cell, 25°C / 77°F)
	20.5 AH/6.85A	(3hr, 1.75V/cell, 25°C / 77°F)
	16.0 AH/16.0A	(1hr, 1.60V/cell, 25°C / 77°F)
Max Discharge Current	390A (5s)	
Internal Resistance	Approx 12.0mΩ	
Discharge Characteristics	Operating Temp. Range	Discharge: -15 ~ 50°C (5 ~ 122°F)
		Charge: 0 ~ 40°C (32 ~ 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 7.8A. Voltage 14.4V ~ 15.0V at 25°C (77°F) Temp. Coefficient -30mV/°C
	Standby Use	No limit on Initial Charging Current Voltage 13.5V ~ 13.8V at 25°C (77°F) Temp. Coefficient -20mV/°C
Capacity affected by Temperature	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
Design Floating Life at 20°C	15 Years	
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

#### F3 Terminal



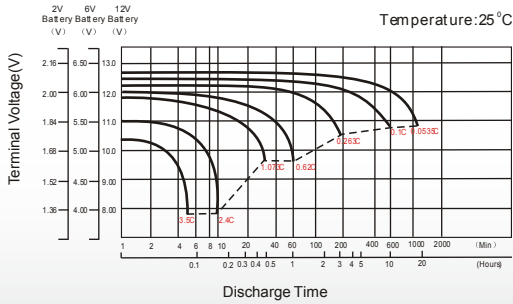
## Constant Current Discharge (Amperes) at 25 °C (77°F)

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	33.5	28.0	23.9	19.5	14.7	12.4	7.89	6.25	5.06	4.09	3.59	2.87	2.45	1.365
1.80V/cell	42.9	33.8	28.2	23.0	17.1	13.8	8.61	6.72	5.41	4.39	3.85	3.05	2.60	1.378
1.75V/cell	47.1	36.9	30.3	23.9	17.8	14.5	8.93	6.85	5.54	4.51	3.96	3.10	2.63	1.391
1.70V/cell	51.3	39.4	31.9	24.8	18.5	14.9	9.28	7.04	5.67	4.62	4.04	3.15	2.65	1.417
1.65V/cell	55.4	41.9	33.9	26.2	19.0	15.4	9.54	7.34	5.87	4.75	4.13	3.20	2.71	1.435
1.60V/cell	60.1	44.8	36.1	27.7	19.8	16.0	9.86	7.56	6.05	4.91	4.22	3.23	2.74	1.443

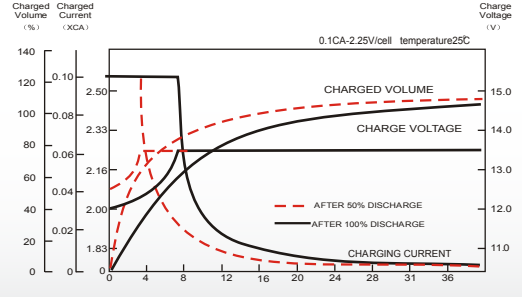
## Constant Power Discharge (Watts) at 25 °C (77°F)

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	63.1	53.2	45.8	37.8	28.8	24.3	15.6	12.4	10.1	8.17	7.18	5.77	4.94	2.75
1.80V/cell	79.7	63.4	53.4	44.0	33.3	27.0	16.9	13.3	10.7	8.73	7.68	6.11	5.23	2.77
1.75V/cell	86.2	68.4	56.9	45.3	34.2	28.2	17.5	13.5	10.9	8.93	7.86	6.20	5.27	2.80
1.70V/cell	91.9	72.1	59.3	46.9	35.5	29.0	18.1	13.8	11.2	9.14	8.02	6.28	5.32	2.85
1.65V/cell	98.3	76.1	62.6	49.0	36.0	29.7	18.5	14.3	11.5	9.36	8.17	6.37	5.42	2.88
1.60V/cell	104.3	80.0	65.9	51.4	37.3	30.6	19.1	14.7	11.8	9.64	8.32	6.41	5.47	2.89

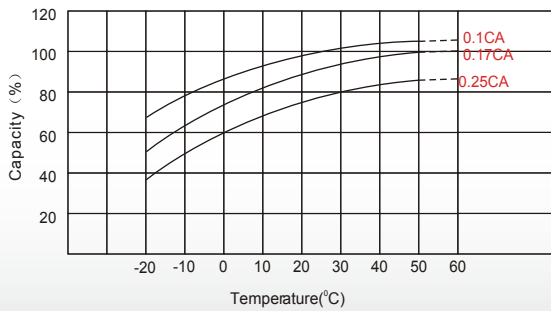
### Discharge Characteristics



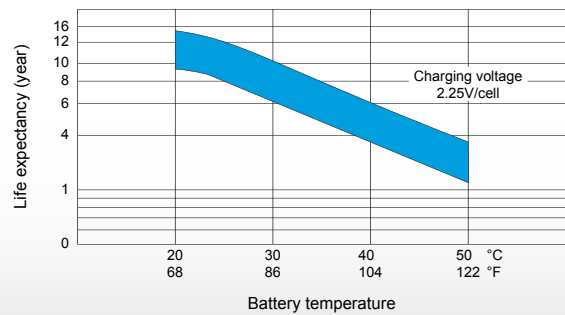
### Float Charging Characteristics



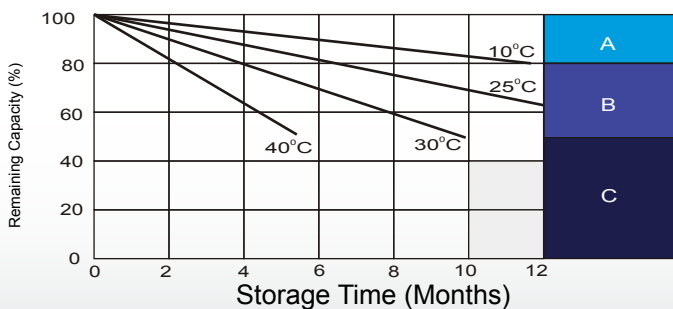
### Temperature Effects in Relation to Battery Capacity



### Effect of Temperature on Long Term Float Life



### Self Discharge Characteristics



**A**

**B**

**C**

**A** No supplementary required  
(Carryout supplementary charge before use if 100% capacity is required.)

**B** Supplementary charge required before use. Optional charging way as below:  
 1. Charged for above 3 days at limited current 0.25CA and constant voltage 2.25V/cell.  
 2. Charged for above 20 hours at limited current 0.25CA and constant voltage 2.25V/cell.  
 3. Charged for 8 ~ 10 hours at limited current 0.05 CA.

**C** Supplementary charge may often fail to recover the capacity.  
The battery should never be left standing till this is reached.