

UL 2.8-6T

6V 2.8AH

General

Ultracell®
'Quality in Every Language'

UL2.8-6T



Physical Specification

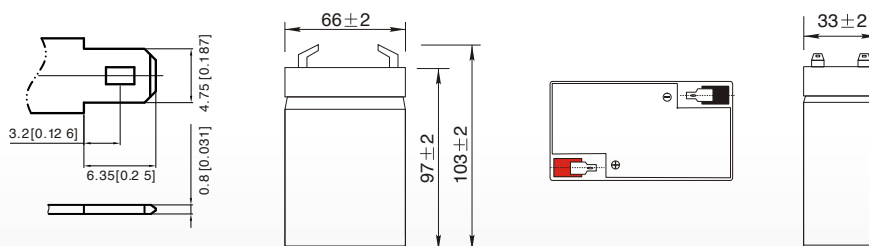
Part Number:	UL2.8-6T
Length:	66 ± 2 mm (2.60 inches)
Width:	33 ± 2 mm (1.30 inches)
Container Height:	97 ± 2 mm (3.82 inches)
Total Height (with terminal):	103 ± 2 mm (4.06 inches)
Approx Weight:	Approx 0.57kg (1.26lbs)

Specifications

Terminal Type	Normal Voltage	6V
	Normal Capacity (20HR)	2.8AH
	Standard Terminal	F1
Container Material	Optional Terminal	-
	Standard Option	ABS
Rated Capacity	Flame Retardant Option (FR)	UL94:VO
	2.80 AH/0.14A	(20hr, 1.80V/cell, 25°C / 77°F)
	2.60 AH/0.26A	(10hr, 1.80V/cell, 25°C / 77°F)
	2.40 AH/0.48A	(5hr, 1.75V/cell, 25°C / 77°F)
	2.13 AH/0.71A	(3hr, 1.75V/cell, 25°C / 77°F)
Max Discharge Current	1.76 AH/1.76A	(1hr, 1.60V/cell, 25°C / 77°F)
	42A (5s)	
Internal Resistance	Approx 30mΩ	
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 0.84A.Voltage 7.2V ~ 7.5V at 25°C (77°F) Temp. Coefficient -15mV/°C
	Standby Use	No limit on Initial Charging Current Voltage 6.75V ~ 6.9V at 25°C (77°F) Temp. Coefficient -10mV/°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	5 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

F1 Terminal



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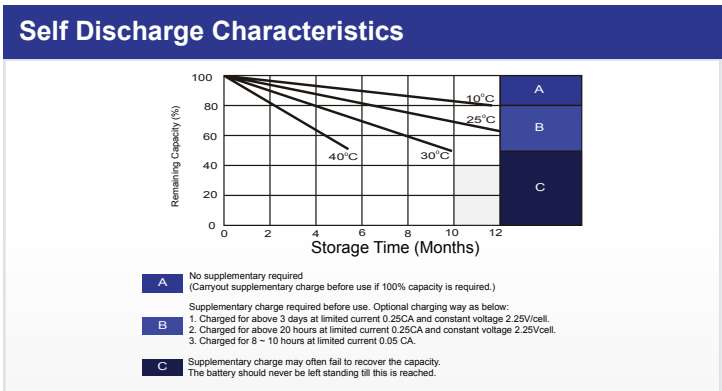
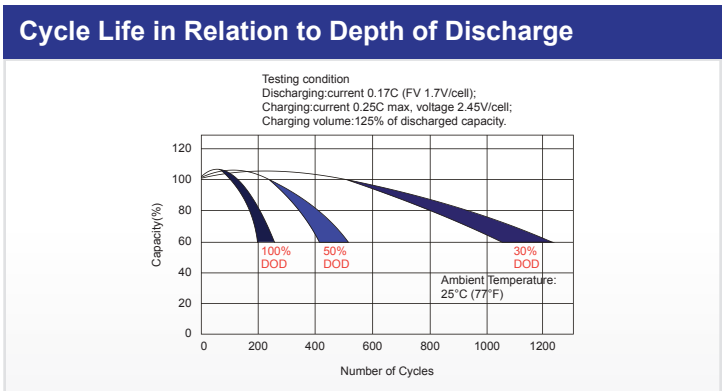
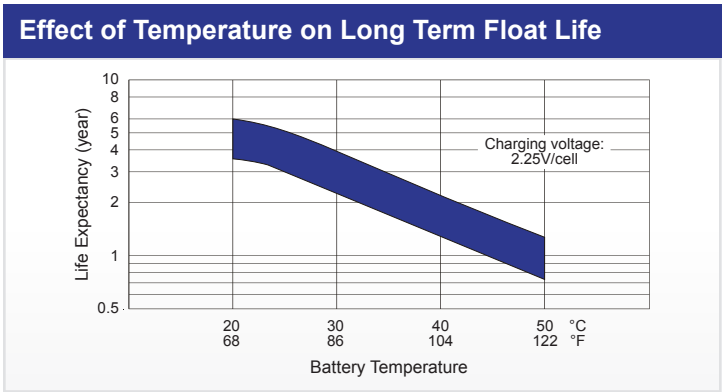
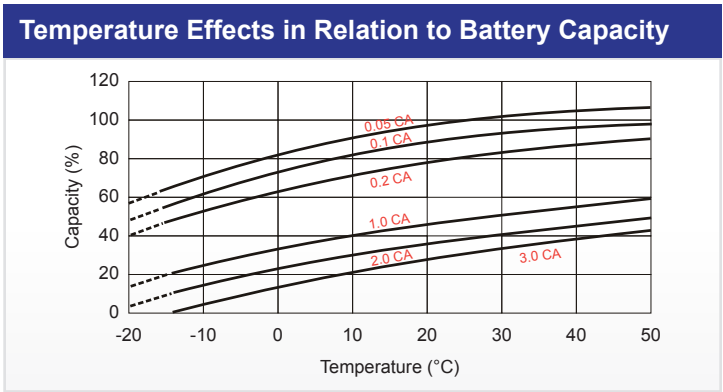
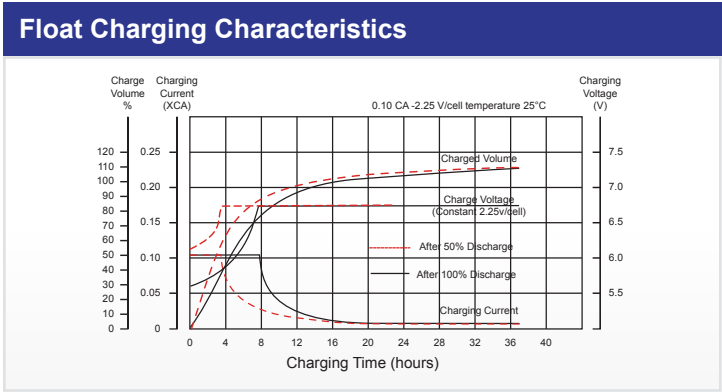
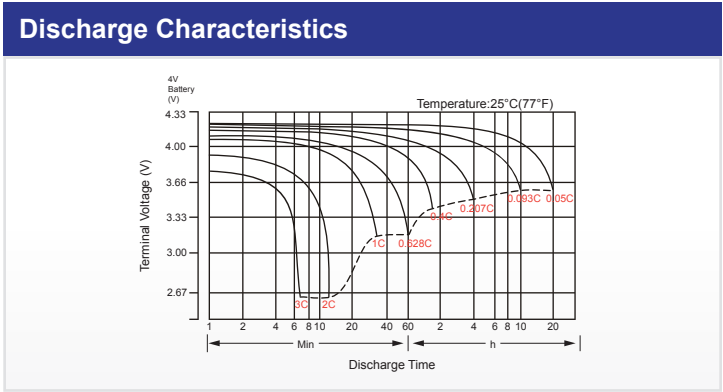
Ultracell (UK) Ltd | Vesty Business Park | Vesty Road | Liverpool | L30 1NY | United Kingdom
Tel: +44 (0) 151 523 2777 Fax: +44 (0) 151 523 0855 Email: info@ultracell.co.uk

www.ultracell.co.uk



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	5.33	4.09	3.39	2.93	2.27	1.67	1.41	0.83	0.65	0.53	0.432	0.375	0.302	0.253	0.139
1.80V/cell	7.16	5.23	4.10	3.47	2.68	1.94	1.58	0.91	0.70	0.57	0.464	0.402	0.321	0.260	0.140
1.75V/cell	8.07	5.75	4.48	3.73	2.78	2.02	1.65	0.94	0.71	0.58	0.476	0.413	0.326	0.267	0.141
1.70V/cell	8.89	6.27	4.78	3.92	2.89	2.10	1.70	0.97	0.73	0.59	0.488	0.422	0.331	0.273	0.144
1.65V/cell	9.80	6.76	5.08	4.16	3.05	2.15	1.74	0.98	0.77	0.61	0.501	0.431	0.336	0.278	0.146
1.60V/cell	10.81	7.34	5.43	4.44	3.22	2.24	1.76	1.02	0.79	0.63	0.518	0.440	0.339	0.281	0.147

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	9.75	7.56	6.33	5.53	4.32	3.21	2.72	1.62	1.27	1.04	0.847	0.737	0.597	0.500	0.275
1.80V/cell	12.9	9.55	7.54	6.44	5.02	3.71	3.03	1.75	1.36	1.10	0.905	0.787	0.631	0.515	0.277
1.75V/cell	14.3	10.3	8.14	6.86	5.17	3.81	3.15	1.81	1.38	1.12	0.926	0.806	0.641	0.528	0.279
1.70V/cell	15.3	11.0	8.57	7.16	5.35	3.95	3.24	1.85	1.41	1.15	0.948	0.822	0.649	0.538	0.284
1.65V/cell	16.6	11.8	9.04	7.54	5.60	4.01	3.29	1.87	1.47	1.18	0.970	0.837	0.658	0.548	0.288
1.60V/cell	17.9	12.5	9.51	7.95	5.87	4.16	3.31	1.94	1.51	1.22	0.999	0.853	0.663	0.553	0.289



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