

UL5-6



Physical Specification

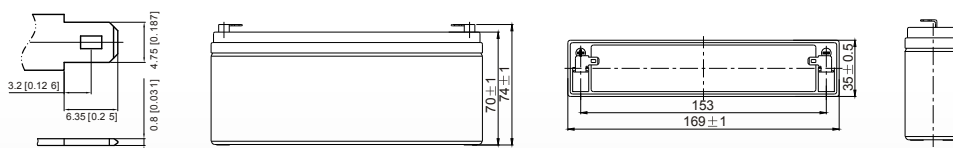
Part Number:	UL5-6
Length:	70 ± 2 mm (2.76 inches)
Width:	47 ± 2 mm (1.85 inches)
Container Height:	101 ± 2 mm (3.94 inches)
Total Height (with terminal):	106 ± 2 mm (4.17 inches)
Approx Weight:	Approx 0.81kg (1.786lbs)

Specifications

Terminal Type	Normal Voltage	6V
	Normal Capacity (20HR)	5AH
	Standard Terminal	F1
Container Material	Optional Terminal	-
	Standard Option	ABS
Rated Capacity	Flame Retardant Option (FR)	UL94:VO
	5.00 AH/0.250A	(20hr, 1.80V/cell, 25°C / 77°F)
	4.65 AH/0.465A	(10hr, 1.80V/cell, 25°C / 77°F)
	4.25 AH/0.850A	(5hr, 1.75V/cell, 25°C / 77°F)
	3.84 AH/1.28A	(3hr, 1.75V/cell, 25°C / 77°F)
Max Discharge Current	3.14 AH/3.14A	(1hr, 1.60V/cell, 25°C / 77°F)
	75A (5s)	
Internal Resistance	Approx 22mΩ	
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 1.5A. 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%
Design Floating Life at 20°C	5 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

F1 Terminal



ALL DATA IS SUBJECT TO CHANGE WITHOUT NOTICE

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	9.52	7.31	6.06	5.24	4.05	2.98	2.51	1.49	1.16	0.95	0.77	0.67	0.540	0.451	0.248
1.80V/cell	12.8	9.34	7.32	6.19	4.78	3.47	2.82	1.62	1.25	1.01	0.83	0.72	0.573	0.465	0.250
1.75V/cell	14.4	10.3	7.99	6.66	4.96	3.60	2.95	1.68	1.28	1.03	0.85	0.74	0.583	0.478	0.253
1.70V/cell	15.9	11.2	8.53	7.00	5.16	3.74	3.04	1.73	1.31	1.06	0.87	0.75	0.591	0.487	0.257
1.65V/cell	17.5	12.1	9.07	7.44	5.45	3.84	3.11	1.75	1.37	1.10	0.90	0.77	0.600	0.497	0.261
1.60V/cell	19.3	13.1	9.71	7.92	5.75	4.00	3.14	1.83	1.41	1.13	0.93	0.79	0.606	0.503	0.262

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	17.4	13.5	11.3	9.87	7.72	5.73	4.85	2.89	2.27	1.85	1.51	1.32	1.066	0.893	0.490
1.80V/cell	23.1	17.1	13.5	11.5	8.97	6.62	5.40	3.13	2.43	1.96	1.62	1.41	1.127	0.919	0.495
1.75V/cell	25.5	18.4	14.5	12.3	9.23	6.80	5.63	3.23	2.46	2.00	1.65	1.44	1.144	0.942	0.499
1.70V/cell	27.3	19.6	15.3	12.8	9.56	7.05	5.79	3.31	2.53	2.05	1.69	1.47	1.159	0.960	0.507
1.65V/cell	29.7	21.0	16.1	13.5	10.0	7.16	5.88	3.34	2.62	2.11	1.73	1.50	1.174	0.979	0.514
1.60V/cell	32.0	22.3	17.0	14.2	10.5	7.42	5.90	3.46	2.69	2.17	1.78	1.52	1.183	0.988	0.516

