

UP-HR7.6-12



Specification	
Nominal Voltage	12V
Watts(15min Rate)	32.2 W at 1.67V/cell
Dimension	Length 151±1mm (5.95 inches)
	Width 65±1mm (2.56 inches)
	Container Height 94.5±1mm (3.72 inches)
	Total Height (with Terminal) 100±1mm (3.94 inches)
Approx Weight	Approx 2.75 kg (6.06lbs)
Terminal	T1 / T2
Container Material	ABS
Rated Capacity	7.86 AH/0.786A (10hr, 1.80V/cell, 25°C/77°F)
	7.60 AH/0.95A (8hr, 1.80V/cell, 25°C/77°F)
	6.95 AH/1.39A (5hr, 1.75V/cell, 25°C/77°F)
	6.30 AH/2.10A (3hr, 1.75V/cell, 25°C/77°F)
	6.28 AH/6.28A (1hr, 1.60V/cell, 25°C/77°F)
Max. Discharge Current	114A (5s)
Internal Resistance	Approx 18mΩ
Operating Temperature Range	Discharge: -15~50°C (5~122°F)
	Change : 0~40°C (32~104°F)
	Storage : -15~40°C (5~104°F)
Nominal Operating Temperature Range	25±3°C (77±5°F)
Cycle Use	Initial Charging Current less than 2.28A. 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%
Self Discharge	Batteries may be stored for up to 6 months at 25°C (77°F) and then a freshening charge is required.

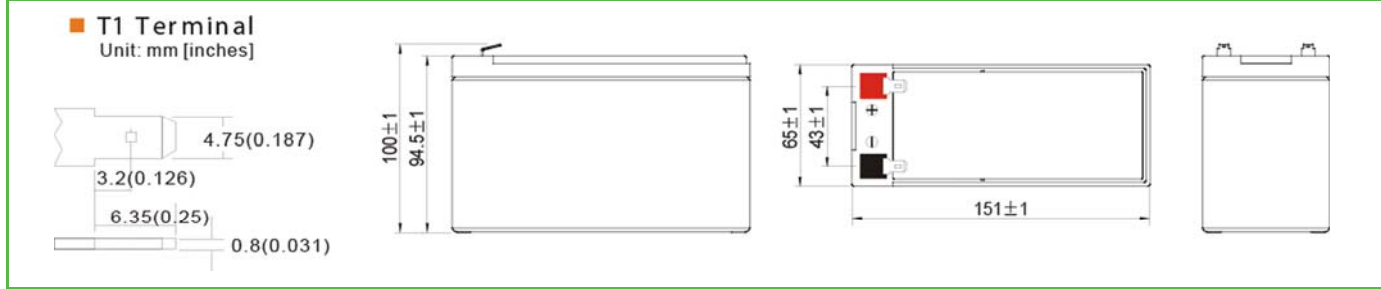
Constant Current Discharge (Amperes) at 25°C (77°F)															
F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	26.6	16.9	13.3	11.2	8.68	6.36	5.08	2.79	1.91	1.51	1.28	1.10	0.92	0.765	0.426
1.80V/cell	31.0	19.1	14.6	12.0	9.31	6.92	5.43	2.93	2.02	1.58	1.33	1.16	0.95	0.786	0.430
1.75V/cell	35.0	21.0	15.9	12.9	9.70	7.19	5.67	3.04	2.10	1.65	1.39	1.19	0.97	0.802	0.434
1.70V/cell	38.5	22.9	17.0	13.6	10.1	7.47	5.86	3.16	2.15	1.69	1.42	1.22	1.00	0.811	0.442
1.65V/cell	42.5	24.7	18.1	14.5	10.6	7.66	6.05	3.25	2.25	1.75	1.45	1.25	1.02	0.827	0.448
1.60V/cell	46.9	26.4	19.0	15.4	11.3	7.98	6.28	3.36	2.32	1.80	1.48	1.27	1.03	0.836	0.450

Constant Power Discharge (Watts) at 25°C (77°F)															
F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	48.6	31.2	24.7	21.0	16.6	12.2	9.81	5.41	3.76	2.98	2.55	2.19	1.80	1.51	0.847
1.80V/cell	56.1	34.9	26.9	22.3	17.5	13.2	10.4	5.66	3.95	3.10	2.63	2.32	1.85	1.55	0.854
1.75V/cell	62.0	37.7	29.0	23.8	18.0	13.6	10.9	5.84	4.08	3.22	2.73	2.38	1.89	1.58	0.859
1.70V/cell	66.3	40.3	30.6	24.8	18.6	14.1	11.2	6.06	4.19	3.31	2.78	2.43	1.95	1.60	0.876
1.65V/cell	72.2	43.1	32.2	26.2	19.5	14.3	11.4	6.19	4.36	3.40	2.83	2.46	1.97	1.63	0.887
1.60V/cell	77.8	44.8	33.3	27.6	20.5	14.8	11.8	6.37	4.47	3.50	2.90	2.51	1.99	1.64	0.889

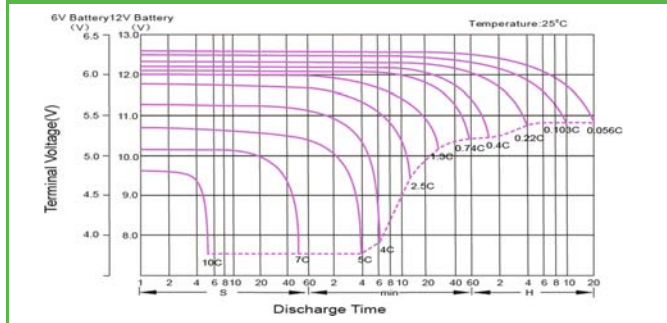


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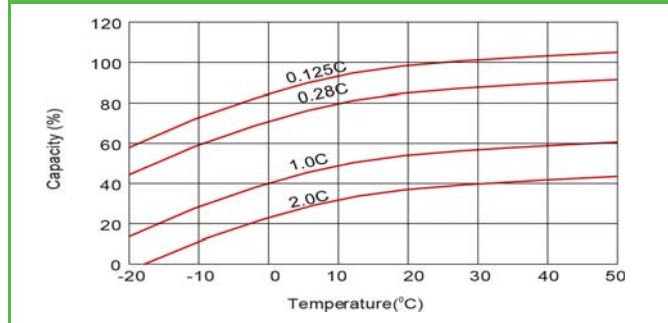
Dimensions



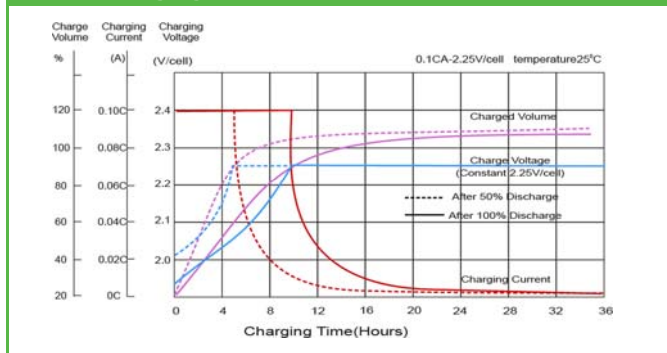
Discharge Characteristics



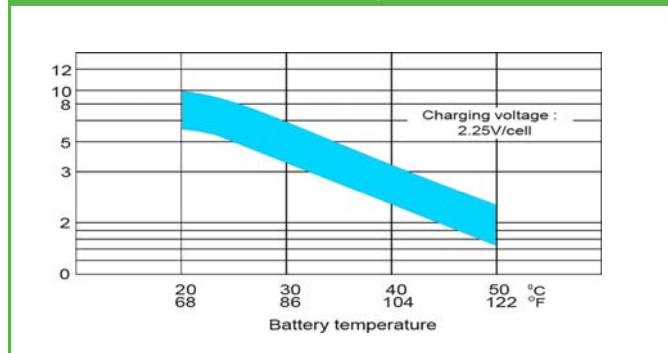
Temperature Effects in Relation to Battery Capacity



Float Charging Characteristics



Effect of Temperature on Long Term Float Life



Self Discharge Characteristics

