

UP0.8-12



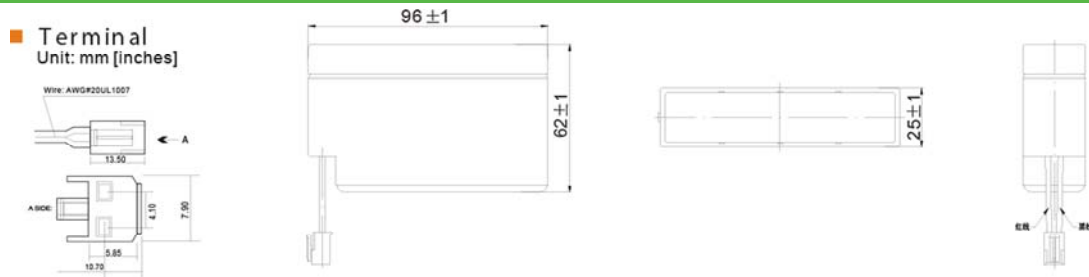
Specification	
Nominal Voltage	12V
Nominal Capacity (20HR)	0.8AH
Dimension	Length 96±1mm (3.78 inches)
	Width 25±1mm (0.98 inches)
	Container Height 62±1mm (2.44 inches)
	Total Height (with Terminal) 62±1mm (2.44 inches)
Approx Weight	Approx 0.35 kg (0.77lbs)
Terminal	/
Container Material	ABS
Rated Capacity	0.80 AH/0.04A (20hr, 1.80V/cell, 25°C/77°F)
	0.74 AH/0.074A (10hr, 1.80V/cell, 25°C/77°F)
	0.68 AH/0.136A (5hr, 1.75V/cell, 25°C/77°F)
	0.612 AH/0.204A (3hr, 1.75V/cell, 25°C/77°F)
	0.502 AH/0.502A (1hr, 1.60V/cell, 25°C/77°F)
Max. Discharge Current	12A (5s)
Internal Resistance	Approx 150mΩ
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 0.24A.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	1.52	1.17	0.97	0.84	0.65	0.48	0.402	0.238	0.186	0.151	0.123	0.107	0.086	0.072	0.0396
1.80V/cell	2.04	1.49	1.17	0.99	0.76	0.56	0.451	0.260	0.200	0.162	0.132	0.115	0.092	0.074	0.0400
1.75V/cell	2.31	1.64	1.28	1.07	0.79	0.58	0.471	0.269	0.204	0.165	0.136	0.118	0.093	0.076	0.0404
1.70V/cell	2.54	1.79	1.37	1.12	0.83	0.60	0.486	0.276	0.210	0.170	0.139	0.120	0.095	0.078	0.0411
1.65V/cell	2.80	1.93	1.45	1.19	0.87	0.61	0.498	0.280	0.219	0.175	0.143	0.123	0.096	0.080	0.0417
1.60V/cell	3.09	2.10	1.55	1.27	0.92	0.64	0.502	0.292	0.225	0.181	0.148	0.126	0.097	0.080	0.0419

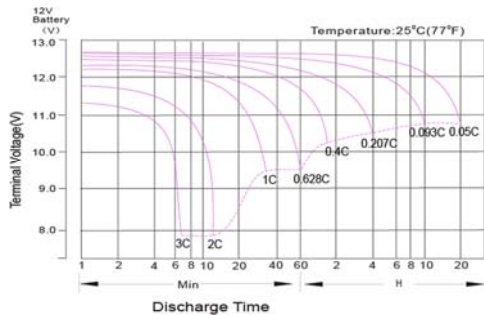
Constant Power Discharge (Watts) at 25°C (77°F)															
F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	2.79	2.16	1.81	1.58	1.23	0.92	0.776	0.462	0.363	0.296	0.242	0.211	0.171	0.143	0.078
1.80V/cell	3.70	2.73	2.16	1.84	1.43	1.06	0.865	0.501	0.388	0.314	0.259	0.225	0.180	0.147	0.079
1.75V/cell	4.08	2.95	2.33	1.96	1.48	1.09	0.900	0.518	0.394	0.320	0.264	0.230	0.183	0.151	0.080
1.70V/cell	4.37	3.14	2.45	2.04	1.53	1.13	0.926	0.529	0.404	0.328	0.271	0.235	0.185	0.154	0.081
1.65V/cell	4.75	3.36	2.58	2.16	1.60	1.15	0.940	0.534	0.420	0.338	0.277	0.239	0.188	0.157	0.082
1.60V/cell	5.12	3.57	2.72	2.27	1.68	1.19	0.945	0.554	0.430	0.348	0.285	0.244	0.189	0.158	0.083

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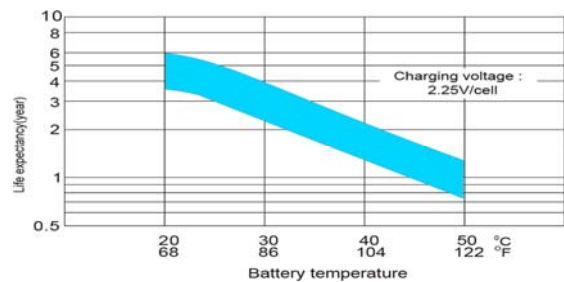
Dimensions



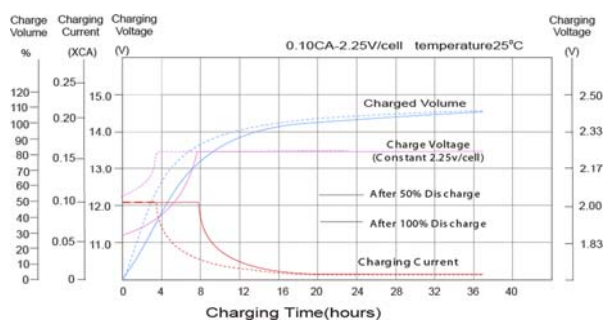
Discharge Characteristics



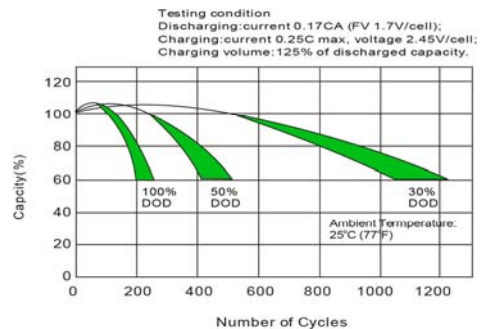
Effect of Temperature on Long Term Float Life



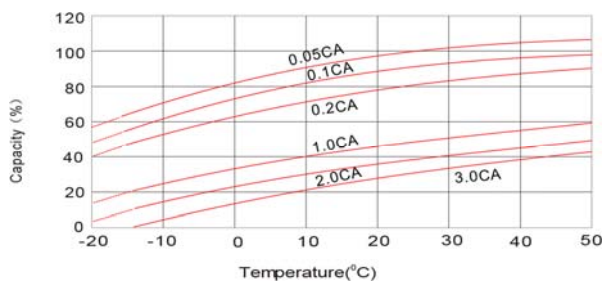
Float Charging Characteristics



Cycle Life in Relation to Depth of Discharge



Temperature Effects in Relation to Battery Capacity



Self Discharge Characteristics

