

### General Features



- ◆ Sealed and maintenance free operation.
- ◆ Non-Spillable construction design.
- ◆ ABS containers and covers(UL94HB, UL94V-0) optional.
- ◆ Safety valve installation for explosion proof.
- ◆ High quality and high reliability.
- ◆ Exceptional deep discharge recovery performance.
- ◆ Low self discharge characteristic.
- ◆ Flexibility design for multiple install positions.



Battery Type	Valve-Regulated,Absorbed Glass Mat(AGM) Technology			
Nominal Voltage	6V			
Capacity( 20°C)	20HR(0.155A,1.8V/cell)	10HR(0.289A,1.80V)	5HR(0.528A,1.75V)	1HR(1.93A,1.60V)
	3.10AH	2.89AH	2.6AH	1.93AH
Dimensions	Length	Width	Height	Total Height
	134mm(5.27inches)	34mm(1.34inches)	60mm(2.36inches)	66mm(2.60inches)
Approx Weight	Approx 0.67 kg (1.48lbs)			
Internal Resistance	Full Charged at 20°C: Approx 28m Ω			
Self Discharge	3% of capacity declined per month at 20°C			
Capacity affected by Temperature (10HR)	40°C	25°C	0°C	-15°C
	103%	100%	86%	65%
Charging Voltage (V)	Cycle use		Float use	
	7.2V~7.5V at 20 °C. T emp. Coefficient -15mV/ °C		6.75V~6.9V at 20 °C.Temp. Coefficient (-10mV/ °C)	
Current	Max. Discharge Current		Initial Charging Current	
	48A		Less than 0.96A	
Operating T emp.Range	Discharge		Charging	
	-15~50°C (5 ~122°F)		0~40°C (32 ~104°F)	
			Storage	
			-15 ~40°C (5 ~104°F)	

### Constant Current Discharge (Amperes) at 20 °C (68 °F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	5.79	4.45	3.68	3.18	2.49	1.83	1.54	0.914	0.715	0.581	0.479	0.416	0.335	0.280	0.154
1.80V/cell	7.77	5.68	4.45	3.76	2.94	2.13	1.73	1.00	0.769	0.621	0.514	0.446	0.355	0.289	0.155
1.75V/cell	8.76	6.24	4.86	4.05	3.05	2.21	1.81	1.03	0.783	0.634	0.528	0.458	0.362	0.296	0.157
1.70V/cell	9.65	6.80	5.19	4.26	3.17	2.30	1.87	1.06	0.805	0.651	0.541	0.467	0.367	0.302	0.160
1.65V/cell	10.6	7.34	5.52	4.52	3.35	2.36	1.91	1.08	0.840	0.674	0.556	0.478	0.372	0.309	0.162
1.60V/cell	11.7	7.97	5.90	4.82	3.53	2.46	1.93	1.12	0.865	0.695	0.574	0.488	0.376	0.312	0.163

### Constant Power Discharge (Watts) at 20 °C (68 °F)

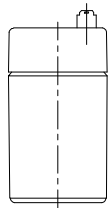
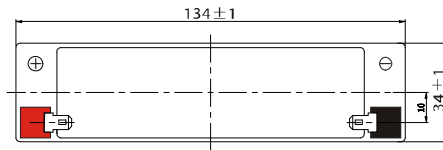
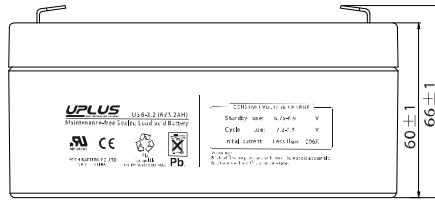
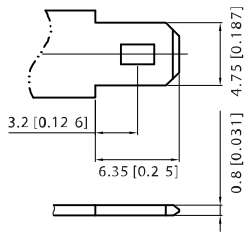
F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	10.6	8.2	6.9	6.00	4.74	3.52	2.98	1.77	1.39	1.14	0.94	0.82	0.66	0.554	0.304
1.80V/cell	14.1	10.4	8.19	6.99	5.51	4.07	3.32	1.92	1.49	1.21	1.00	0.873	0.700	0.570	0.307
1.75V/cell	15.5	11.2	8.84	7.45	5.67	4.18	3.46	1.99	1.51	1.23	1.03	0.894	0.710	0.585	0.310
1.70V/cell	16.6	11.9	9.30	7.77	5.87	4.33	3.56	2.03	1.55	1.26	1.05	0.911	0.719	0.596	0.315
1.65V/cell	18.1	12.8	9.82	8.19	6.14	4.40	3.61	2.05	1.61	1.30	1.08	0.928	0.729	0.608	0.319
1.60V/cell	19.5	13.5	10.3	8.63	6.44	4.56	3.63	2.13	1.65	1.33	1.11	0.945	0.734	0.613	0.320



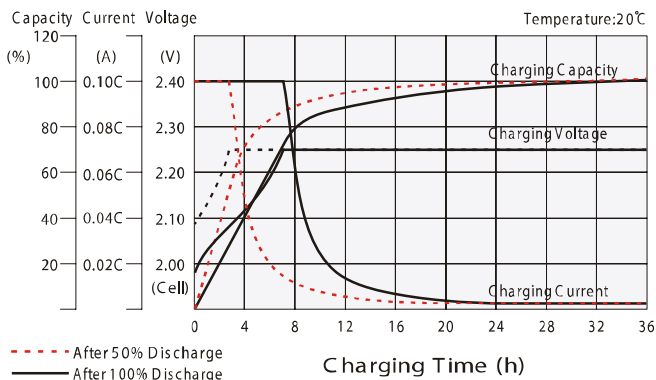
# Dimensions

## T1 Terminal

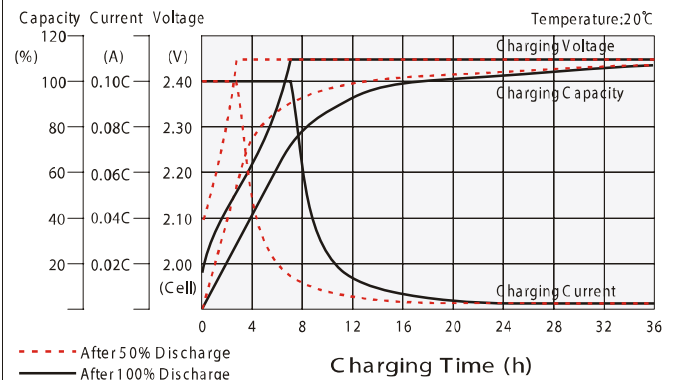
Unit: mm [inches]



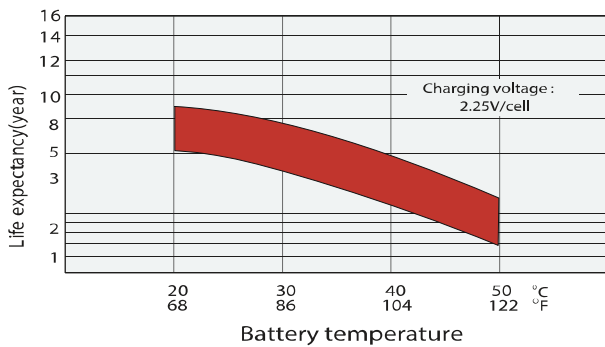
## Float charging characteristics



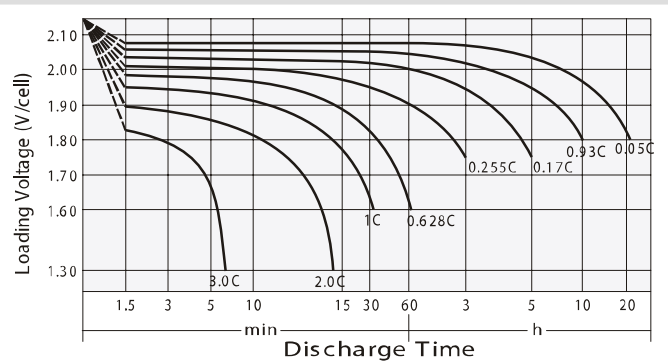
## Cycle use charging characteristics



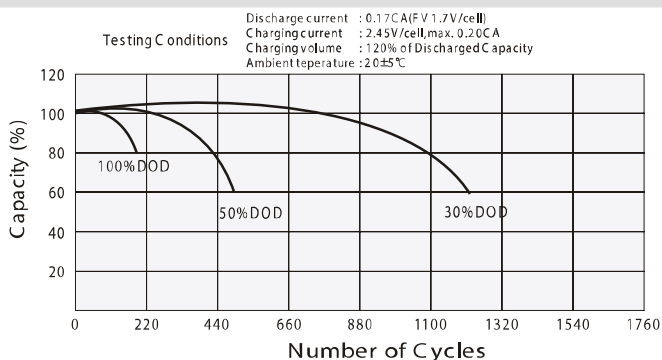
## Effect of Temperature on Long Term Float Life



## Discharge characteristics



## Cycle Life in Relation to Depth of Discharge



## Self Discharge Characteristics

