

### 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(0.485A,1.8V/cell)	10HR(0.902A,1.80V)	5HR(1.65A,1.75V)	1HR(6.03A,1.60V)
	9.7AH	9.02AH	8.25AH	6.03AH
Dimensions	Length	Width	Height	Total Height
	151mm(5.94inches)	51mm(2.01inches)	94mm(3.70inches)	100mm(3.94inches)
Approx Weight	Approx 1.62 kg (3.57lbs)			
Internal Resistance	Full Charged at 20°C: Approx 17m 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	
	150A		Less than 3.0A	
Operating T emp.Range	Discharge	Charging	Storage	
	-15 ~ 50°C (5 ~ 122°F)	0 ~ 40°C (32 ~ 104°F)	-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	18.1	13.9	11.5	9.95	7.78	5.73	4.83	2.86	2.23	1.816	1.497	1.299	1.047	0.875	0.480
1.80V/cell	24.3	17.8	13.9	11.8	9.17	6.66	5.41	3.12	2.40	1.939	1.606	1.393	1.111	0.902	0.485
1.75V/cell	27.4	19.5	15.2	12.7	9.52	6.91	5.66	3.23	2.45	1.982	1.649	1.431	1.130	0.926	0.490
1.70V/cell	30.2	21.3	16.2	13.3	9.91	7.19	5.84	3.31	2.52	2.035	1.691	1.461	1.146	0.945	0.499
1.65V/cell	33.2	22.9	17.2	14.1	10.5	7.37	5.97	3.36	2.62	2.105	1.737	1.493	1.164	0.964	0.505
1.60V/cell	36.7	24.9	18.4	15.0	11.0	7.68	6.03	3.50	2.70	2.172	1.795	1.525	1.175	0.975	0.508

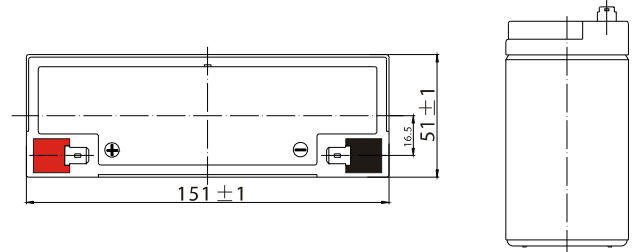
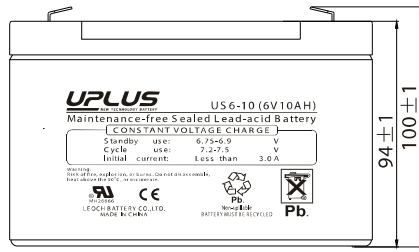
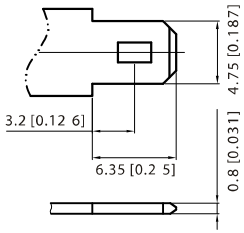
### Constant Power Discharge (Watts) at 20 °C (68°F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	33.1	25.7	21.5	18.8	14.8	11.0	9.31	5.54	4.35	3.55	2.93	2.55	2.07	1.73	0.951
1.80V/cell	43.9	32.4	25.6	21.8	17.2	12.7	10.4	6.01	4.66	3.77	3.13	2.73	2.19	1.78	0.959
1.75V/cell	48.5	35.0	27.6	23.3	17.7	13.1	10.8	6.21	4.73	3.84	3.21	2.79	2.22	1.83	0.968
1.70V/cell	51.9	37.3	29.1	24.3	18.3	13.5	11.1	6.35	4.85	3.94	3.28	2.85	2.25	1.86	0.984
1.65V/cell	56.4	39.9	30.7	25.6	19.2	13.7	11.3	6.41	5.03	4.06	3.36	2.90	2.28	1.90	0.997
1.60V/cell	60.8	42.3	32.3	27.0	20.1	14.2	11.3	6.65	5.16	4.17	3.46	2.95	2.30	1.92	1.00

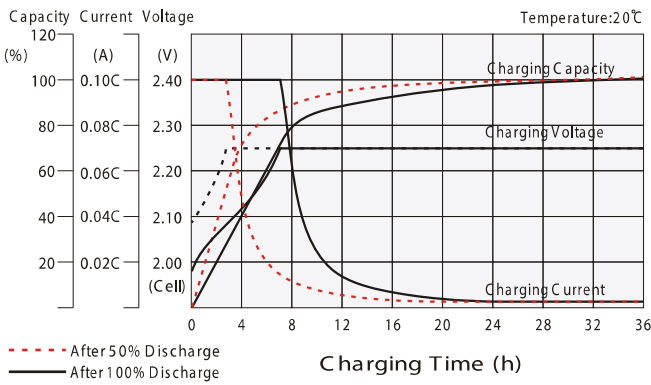
# Dimensions

## T1 Terminal

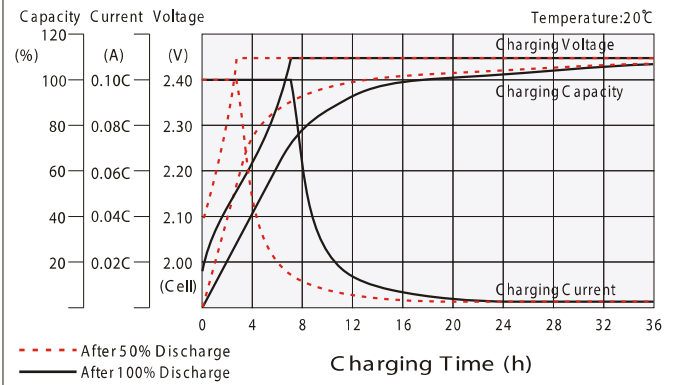
Unit: mm [inches]



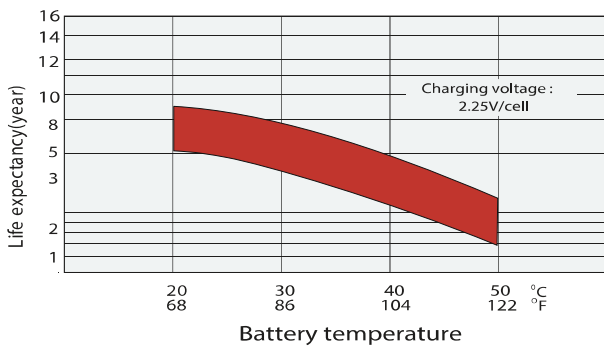
## Float charging characteristics



## Cycle use charging characteristics

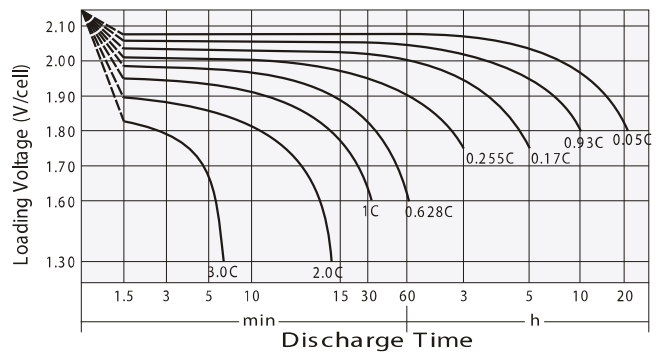


## Effect of Temperature on Long Term Float Life

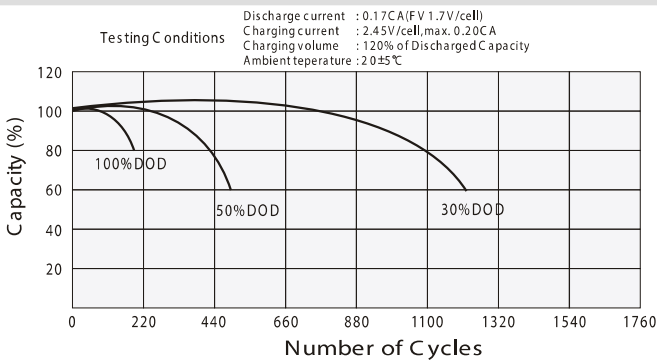


## Discharge characteristics

Temperature: 20°C



## Cycle Life in Relation to Depth of Discharge



## Self Discharge Characteristics

