



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(0.136A,1.8V/cell)	10HR(0.253A,1.80V)	5HR(0.462A,1.75V)	1HR(1.69A,1.60V)
	2.72AH	2.53AH	2.31AH	1.69AH
Dimensions	Length	Width	Height	Total Height
	66mm(2.60inches)	33mm(1.30inches)	97mm(3.82inches)	103mm(4.06inches)
Approx Weight	Approx 0.57 kg (1.26lbs)			
Internal Resistance	Full Charged at 20°C: Approx 30m 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	
	42A		Less than 0.84A	
Operating Temp.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	5.07	3.89	3.22	2.79	2.18	1.60	1.35	0.799	0.625	0.509	0.419	0.364	0.293	0.245	0.134
1.80V/cell	6.80	4.97	3.89	3.29	2.57	1.87	1.51	0.873	0.673	0.543	0.450	0.390	0.311	0.253	0.136
1.75V/cell	7.67	5.46	4.25	3.54	2.67	1.94	1.58	0.905	0.685	0.555	0.462	0.401	0.316	0.259	0.137
1.70V/cell	8.44	5.95	4.54	3.72	2.78	2.01	1.63	0.927	0.705	0.570	0.473	0.409	0.321	0.265	0.140
1.65V/cell	9.31	6.42	4.83	3.96	2.93	2.06	1.67	0.941	0.735	0.589	0.486	0.418	0.326	0.270	0.142
1.60V/cell	10.3	6.97	5.16	4.21	3.09	2.15	1.69	0.981	0.757	0.608	0.502	0.427	0.329	0.273	0.143

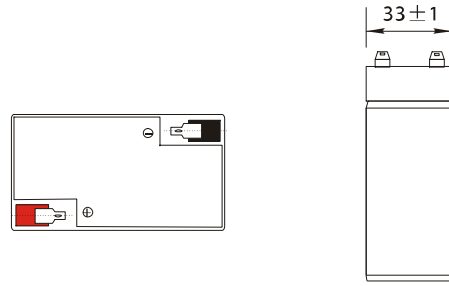
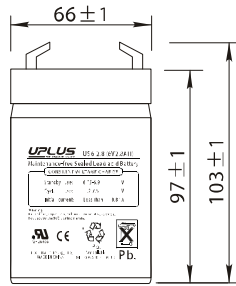
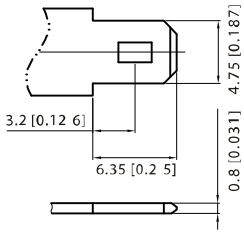
Constant Power Discharge (Watts) at 20 °C (68 °F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	9.26	7.19	6.01	5.25	4.15	3.08	2.61	1.55	1.22	0.994	0.82	0.715	0.579	0.485	0.266
1.80V/cell	12.3	9.07	7.17	6.12	4.82	3.56	2.91	1.68	1.30	1.06	0.88	0.764	0.612	0.499	0.269
1.75V/cell	13.6	9.81	7.73	6.52	4.96	3.66	3.03	1.74	1.32	1.08	0.90	0.782	0.621	0.512	0.271
1.70V/cell	14.5	10.5	8.14	6.80	5.14	3.79	3.11	1.78	1.36	1.10	0.92	0.797	0.629	0.522	0.276
1.65V/cell	15.8	11.2	8.59	7.17	5.38	3.85	3.16	1.79	1.41	1.14	0.94	0.812	0.638	0.532	0.279
1.60V/cell	17.0	11.9	9.03	7.55	5.64	3.99	3.17	1.86	1.45	1.17	0.97	0.827	0.643	0.537	0.280

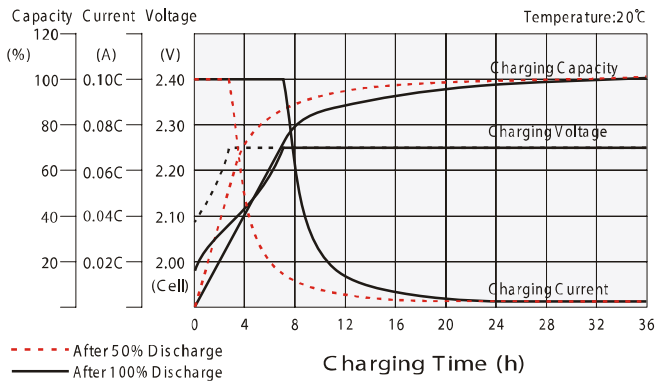


Dimensions

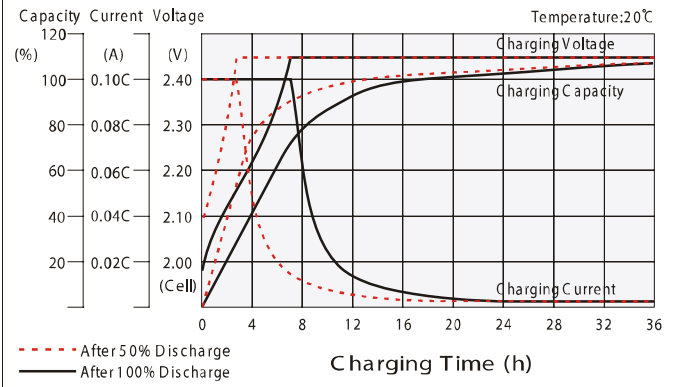
T1 Terminal Unit: mm [inches]



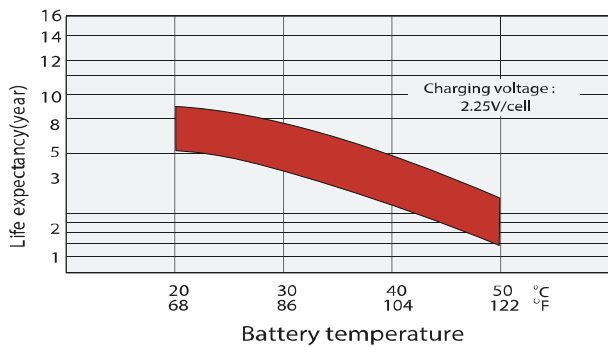
Float charging characteristics



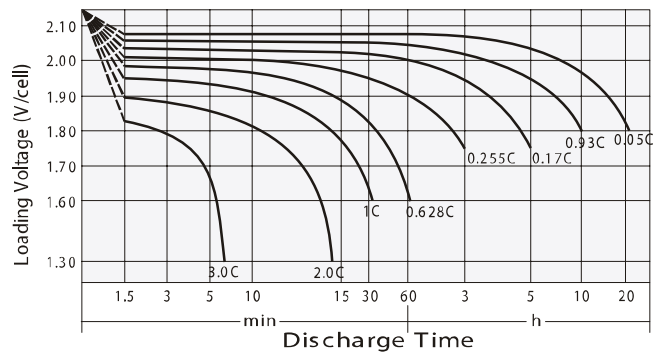
Cycle use charging characteristics



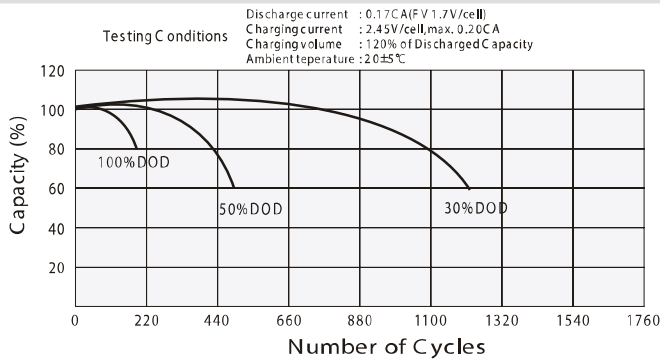
Effect of Temperature on Long Term Float Life



Discharge characteristics



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics

