



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	12V			
Capacity(20°C)	20HR(3.78A, 1.8V/cell)	10HR(7.28A, 1.80V)	5HR(12.4A, 1.75V)	1HR(43.5A, 1.60V)
	75.6AH	72.8AH	62.0AH	43.5AH
Dimensions	Length	Width	Height	Total Height
	348mm(13.70inches)	167mm(6.57inches)	178mm(7.01inches)	178mm(7.01inch)
Approx Weight	Approx 23.0 kg (50.7lbs)			
Internal Resistance	Full Charged at 20°C : Approx 6.2mΩ			
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	
	14.25V~14.85V at 20. Temp. Coefficient -30mV/°C		13.4V~13.7V at 20°C. Temp. Coefficient (-20mV/°C)	
Current	Max. Discharge Current		Initial Charging Current	
	900A(5s)		Less than 22.5A	
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	121.9	95.9	81.5	68.2	54.2	41.0	33.6	21.6	17.1	14.0	11.3	9.90	8.04	6.87	3.75
1.80V/cell	163.7	122.5	98.5	80.6	64.0	47.7	37.6	23.6	18.4	14.9	12.1	10.6	8.53	7.28	3.78
1.75V/cell	184.6	134.6	107.6	86.7	66.4	49.5	39.4	24.5	18.7	15.2	12.4	10.9	8.67	7.35	3.82
1.70V/cell	203.2	146.7	114.9	91.1	69.1	51.5	40.6	25.4	19.3	15.6	12.7	11.1	8.80	7.42	3.89
1.65V/cell	224.1	158.3	122.2	96.8	72.9	52.8	42.0	26.2	20.1	16.2	13.1	11.4	8.93	7.57	3.94
1.60V/cell	247.2	171.9	130.6	103.1	77.0	55.0	43.5	27.0	20.7	16.7	13.5	11.6	9.02	7.65	3.96

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

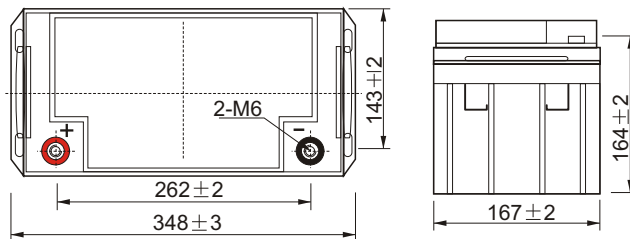
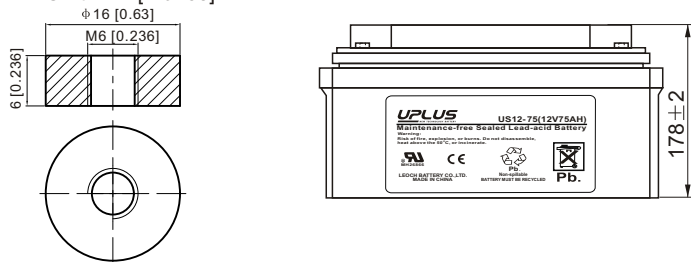
F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	223.0	177.1	152.1	128.5	103.3	78.8	64.8	42.0	33.3	27.3	22.1	19.5	15.9	13.6	7.42
1.80V/cell	296.1	223.6	181.3	149.7	120.0	91.0	72.2	45.5	35.7	29.0	23.6	20.8	16.8	14.4	7.48
1.75V/cell	326.7	241.8	195.7	159.5	123.6	93.5	75.2	47.0	36.2	29.5	24.1	21.3	17.0	14.5	7.55
1.70V/cell	349.8	257.6	206.0	166.4	127.9	96.9	77.3	48.8	37.1	30.3	24.7	21.7	17.3	14.6	7.68
1.65V/cell	380.3	275.4	217.3	175.4	133.8	98.4	79.3	49.9	38.5	31.2	25.3	22.1	17.5	14.9	7.78
1.60V/cell	409.8	292.2	228.6	184.8	140.3	102.0	81.7	51.3	39.5	32.1	26.0	22.5	17.6	15.0	7.81



Dimensions

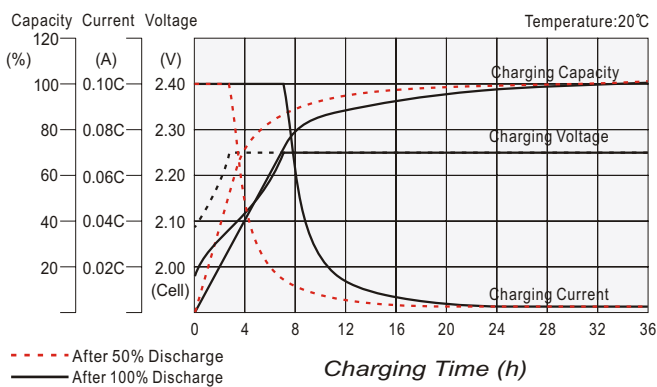
T6 Terminal

Unit: mm [inches]

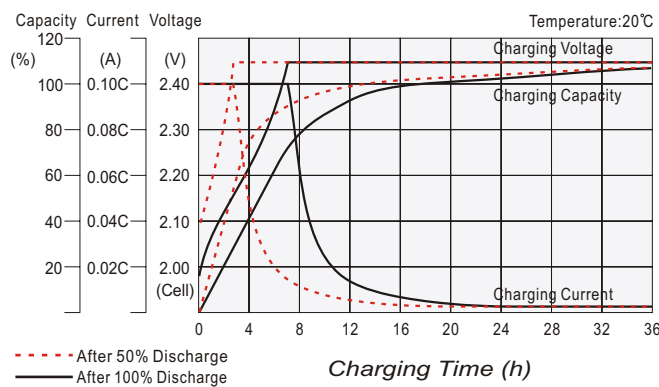


Torque: 3.9~5.4N*M

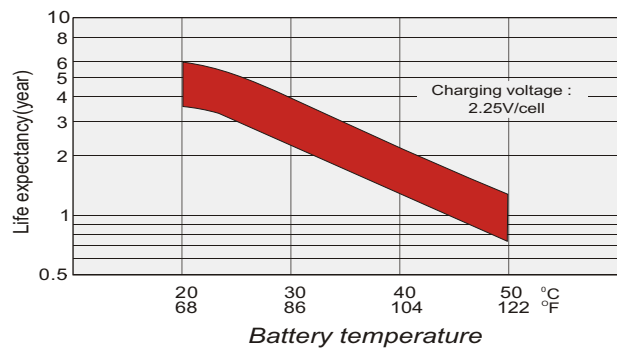
Float charging characteristics



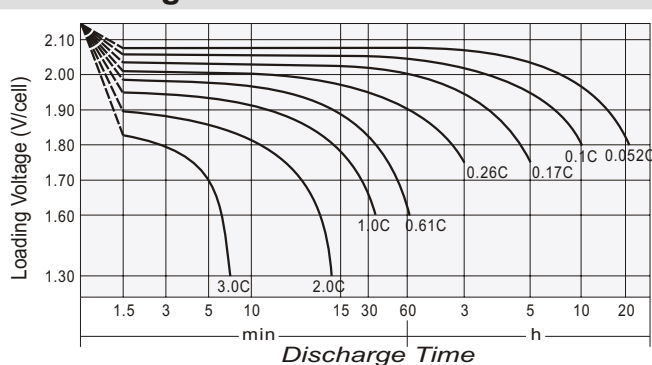
Cycle use charging characteristics



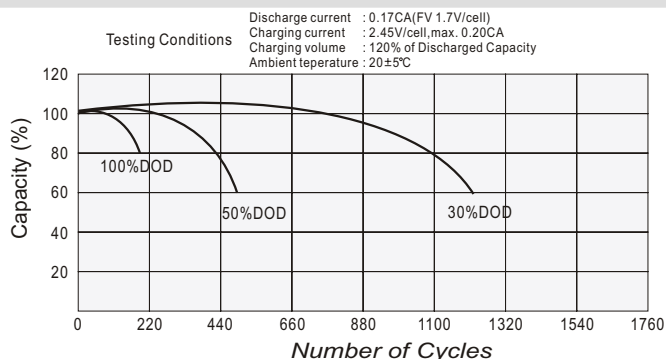
Effect of Temperature on Long Term Float Life



Discharge characteristics



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics

