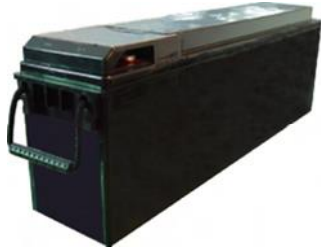


US SERIES-Front Terminal

US12-75FT (12V75AH)



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(4.0A,1.8V/cell)	10HR(7.55A,1.80V)	5HR(13.6A,1.75V)	1HR(49.3A,1.60V)
	80.0AH	75.5AH	68.0AH	49.3AH
Dimensions	Length	Width	Height	Total Height
	564mm(22.2inches)	114mm(4.49inches)	187mm(7.36inches)	187mm(7.36inches)
Approx Weight	Approx 26.0 kg (57.3lbs)			
Internal Resistance	Full Charged at 20°C: Approx 5.0m 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	
	14.4V~15.0V at 20 °C. T emp. Coefficient -30mV/ °C		13.5V~13.8V at 20 °C.Temp. Coefficient (-20mV/ °C)	
Current	Max. Discharge Current		Initial Charging Current	
	750A		Less than 22.5A	
Operating Temp.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 (Ampere) at 20°C (68°F)

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	123.9	103.3	88.6	69.5	53.9	43.8	26.4	19.0	15.3	12.6	11.1	8.66	7.22	3.83
1.80V/cell	140.5	115.1	98.1	76.1	58.0	46.8	27.9	20.2	16.1	13.3	11.7	9.09	7.55	4.00
1.75V/cell	154.2	124.6	104.7	79.9	60.2	48.4	28.4	20.6	16.5	13.6	11.9	9.20	7.64	4.06
1.70V/cell	164.9	131.2	108.9	82.3	61.6	49.1	28.8	20.8	16.6	13.7	12.0	9.33	7.71	4.09
1.67V/cell	170.7	134.5	111.2	83.3	61.8	49.3	28.9	20.9	16.7	13.8	12.1	9.46	7.78	4.11
1.60V/cell	179.4	139.7	116.1	85.4	63.5	50.6	29.4	21.3	17.1	14.2	12.4	9.68	7.93	4.13

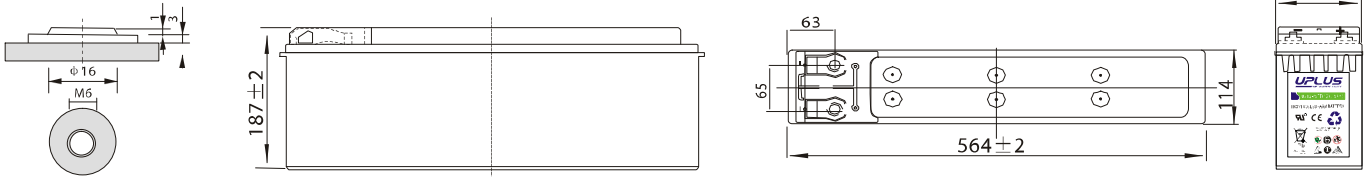
Constant Power Discharge (Watts) at 20°C (68°F)

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	231.4	194.8	168.9	133.9	104.7	85.4	51.8	37.4	30.2	25.0	22.1	17.3	14.4	7.65
1.80V/cell	259.3	214.2	184.2	144.3	111.8	90.7	54.3	39.6	31.6	26.2	23.1	18.1	15.1	7.99
1.75V/cell	280.0	229.0	194.7	150.4	115.0	93.5	55.1	40.1	32.3	26.7	23.4	18.3	15.2	8.10
1.70V/cell	292.8	237.9	201.0	154.0	117.2	94.4	55.8	40.4	32.4	26.8	23.6	18.5	15.4	8.15
1.67V/cell	301.8	242.8	204.4	155.6	117.2	94.6	55.9	40.6	32.6	27.1	23.8	18.7	15.5	8.19
1.60V/cell	308.5	247.2	210.5	157.4	119.0	96.1	56.3	41.1	33.1	27.6	24.2	19.1	15.7	8.22



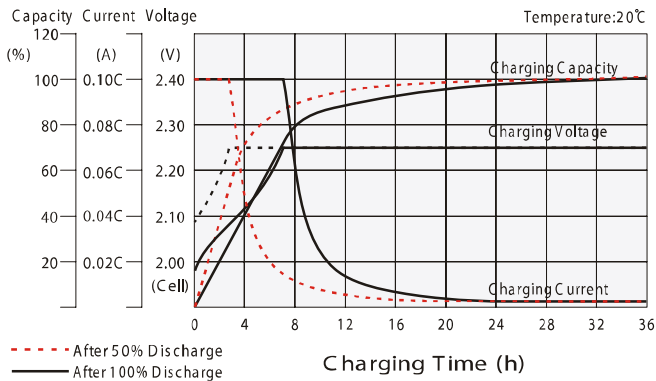
Dimensions

T6 Terminal Unit: mm

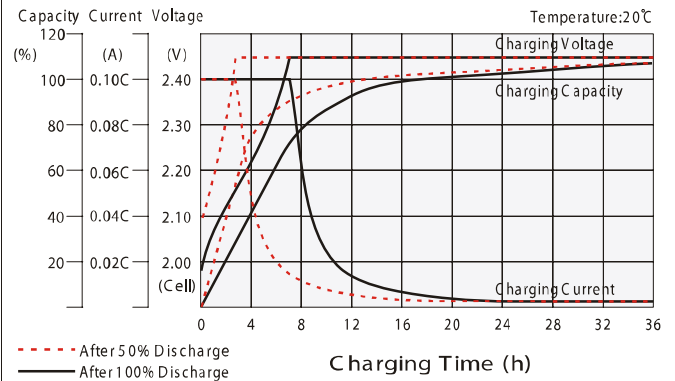


Torque: 3.9~5.4N*M

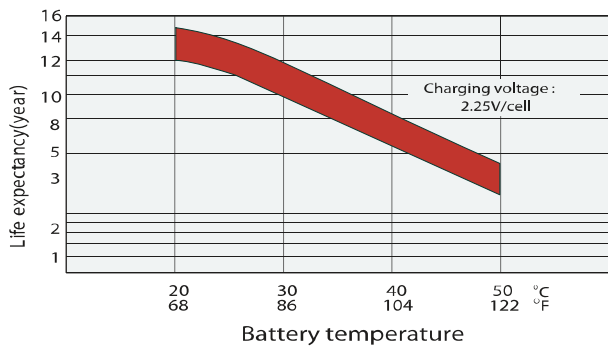
Float charging characteristics



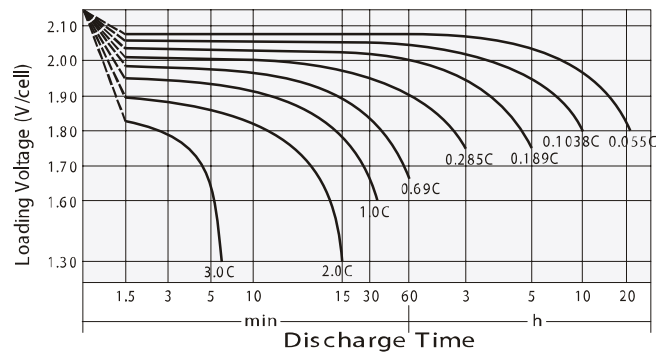
Cycle use charging characteristics



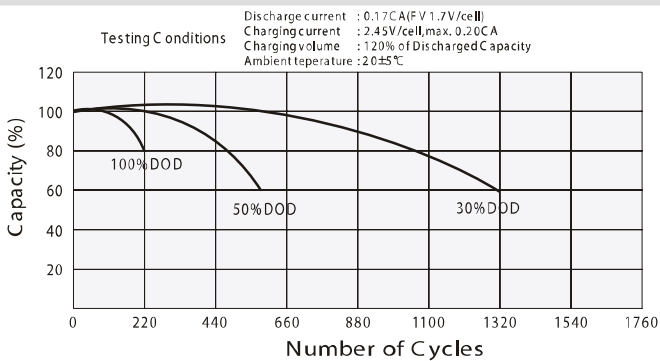
Effect of Temperature on Long Term Float Life



Discharge characteristics



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics

