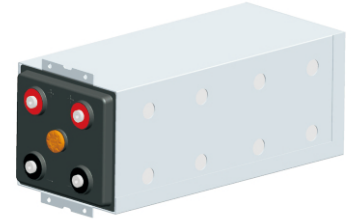


Specification

Nominal Voltage	2V	
Nominal Capacity(10HR)	1500AH	
Dimensions	Length	251±2mm (9.88 inches)
	Height	225±2mm (8.86 inches)
	Depth	578±2mm (22.76 inches)
	Total Depth (with Terminal)	594±2mm (23.39 inches)
	Approx Weight	Approx 93.5 kg (206.13 lbs)
Terminal	T17	
Container Material	Polypropylene with Steel Jacket	
Rated Capacity	1568.0 AH/78.4A	(20hr, 1.80V/cell, 25°C/77°F)
	1500.0 AH/150.0A	(10hr, 1.80V/cell, 25°C/77°F)
	1429.6 AH/178.7A	(8hr, 1.75V/cell, 25°C/77°F)
	1123.5AH/374.5A	(3hr, 1.75V/cell, 25°C/77°F)
	889.0 AH/889.0A	(1hr, 1.60V/cell, 25°C/77°F)
Max. Discharge Current	12000A (5s)	
Internal Resistance	Approx 0.45mΩ	
Operating Temp. Range	Discharge	-15~50°C (5~122°F)
	Charge	0~40°C (32~104°F)
	Storage	-15~40°C (5~104°F)
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Cycle Use	Initial Charging Current less than 450A. Voltage	
	2.4V~2.5V at 25°C(77°F)Temp. Coefficient -5mV/°C	
Standby Use	No limit on Initial Charging Current Voltage	
	2.25V~2.3V at 25°C(77°F)Temp. Coefficient -3mV/°C	
Capacity affected by Temperature	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
Self Discharge	UPLUS UMB series batteries may be stored for up to 6 months at 25°C(77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.	



Designed as horizontal use, do not vertical place.

Applications

- ◆ Tele-communication central station (wired or cellular)
- ◆ Power system communication, military communication, etc.
- ◆ Network communication including: data transmission, television signal transmission, etc.
- ◆ Uninterruptable Power System (UPS- for Telecom)

Constant Current Discharge (Amperes) at 25 °C (77°F)

F.V/Time	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	1097.7	882.0	727.0	438.6	344.0	282.4	240.3	209.9	168.8	143.2	75.8
1.80V/cell	1167.2	929.5	773.5	463.3	361.0	295.1	250.5	219.4	175.4	150.0	78.4
1.75V/cell	1239.9	978.9	808.0	483.0	374.5	305.3	258.3	224.6	178.7	151.8	79.2
1.70V/cell	1304.3	1016.9	837.1	497.5	384.5	312.0	262.8	228.6	181.6	152.9	80.1
1.65V/cell	1371.8	1062.5	868.0	512.8	393.0	318.8	268.5	232.6	184.2	154.5	81.0
1.60V/cell	1421.2	1092.0	889.0	525.3	401.5	323.3	272.4	235.9	186.6	156.4	82.2

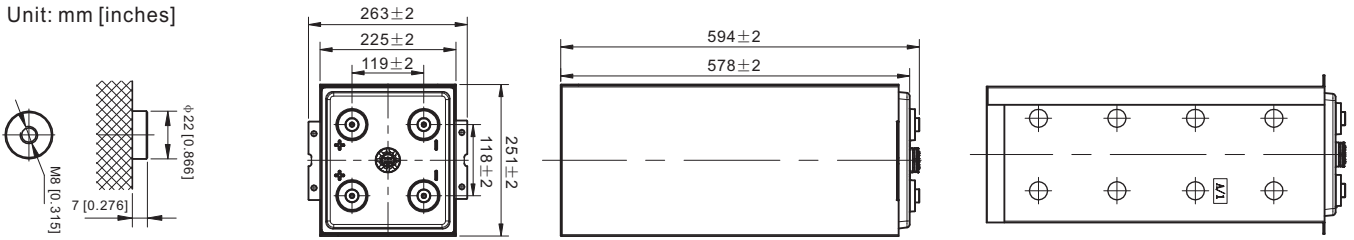
Constant Power Discharge (Watts) at 25 °C (77°F)

F.V/Time	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	2097.8	1695.8	1426.2	853.1	672.3	553.8	473.4	414.7	334.9	284.7	150.9
1.80V/cell	2212.8	1775.3	1503.8	896.9	702.2	576.8	491.3	431.7	342.0	297.9	155.8
1.75V/cell	2332.7	1858.7	1588.0	931.2	726.5	594.7	504.9	440.7	348.2	301.1	157.3
1.70V/cell	2433.1	1917.4	1614.5	955.3	743.1	605.3	512.1	447.8	354.1	303.1	159.0
1.65V/cell	2540.1	1992.2	1664.1	980.5	756.2	616.3	521.5	454.3	358.3	305.6	160.6
1.60V/cell	2605.1	2028.4	1690.2	998.0	768.6	622.2	526.9	459.2	364.3	308.9	162.7

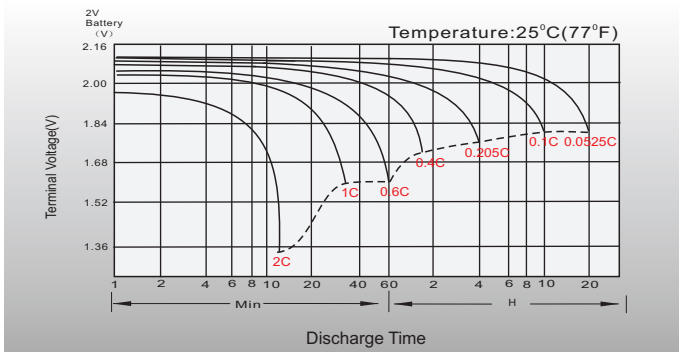
Dimensions

T17 Terminal

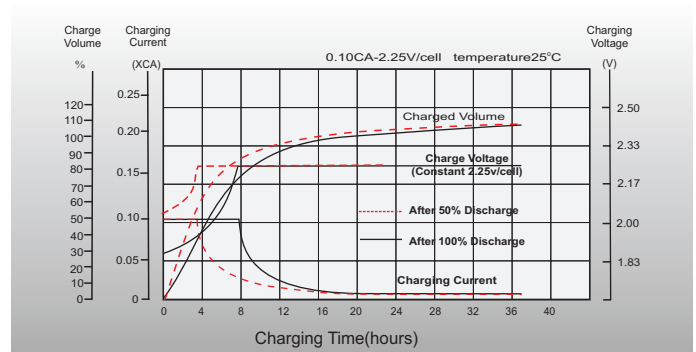
Unit: mm [inches]



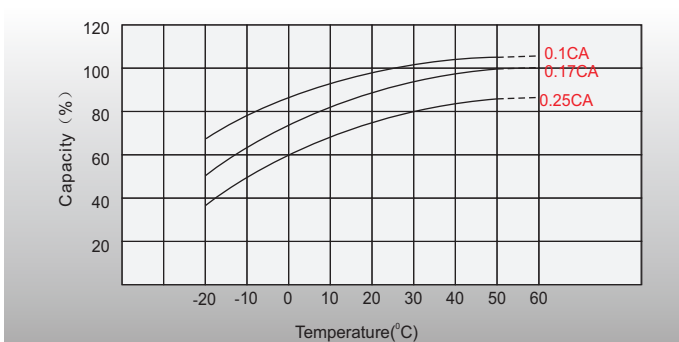
Discharge Characteristics



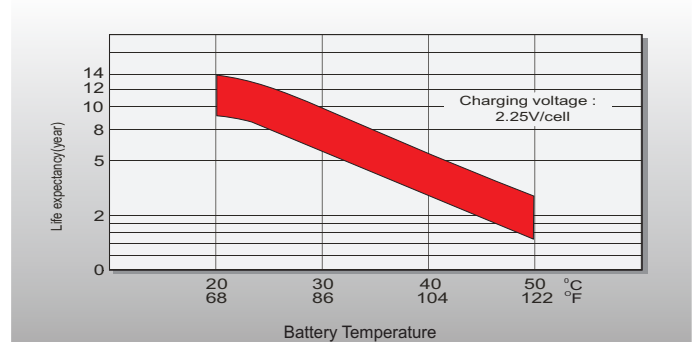
Float Charging Characteristics



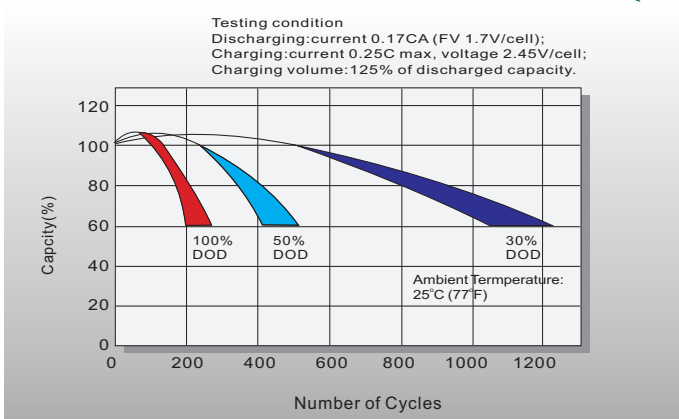
Temperature Effects in Relation to Battery Capacity



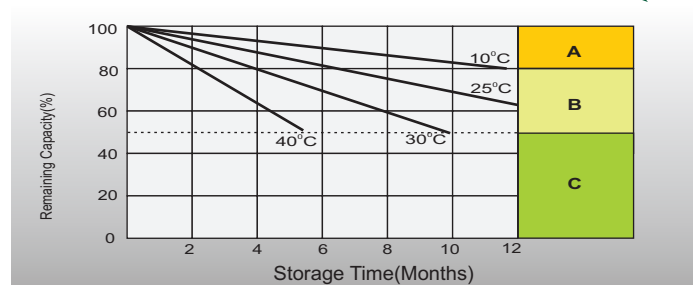
Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics



- A** No supplementary charge required (Carry out supplementary charge before use if 100% capacity is required.)
- B** Supplementary charge required before use. Optional charging way as below:
1. Charged for above 3 days at limited current 0.25CA and constant voltage 2.25V/cell.
2. Charged for above 20 hours at limited current 0.25CA and constant voltage 2.45V/cell.
3. Charged for 8-10 hours at limited current 0.05CA.
- C** Supplementary charge may often fail to recover the capacity. The battery should never be left standing till this is recharged.