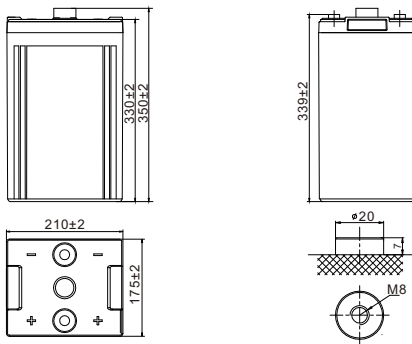




Applications

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



Specification

Nominal Voltage	2V	
Nominal Capacity(10HR)	400Ah	
Dimension	Length	210mm (8.26 in.)
	Width	175mm (6.89 in.)
	Container Height	330mm (12.99 in.)
	Total Height (with Terminal)	350mm (13.78 in.)
Approx Weight	29.2Kg (64.38 lbs)	
Terminal	T 11(M8,Torque11~14.7N·m)	
Container Material	ABS(High Temperature Resistant Material)	
Rated Capacity(35°C)	C20(21.2A, 1.80V/cell)	424.0 Ah
	C10(40.0A, 1.80V/cell)	400.0 Ah
	C5(71.0A, 1.75V/cell)	355.0Ah
	C3(106.0A, 1.75V/cell)	318.0 Ah
	C1(246.0A, 1.67V/cell)	246.0 Ah
Max. Discharge Current	2400A (5s)	
Internal Resistance	Approx 0.60mΩ	
Operating Temp.Range	The battery could use at -40°C~+65°C and extreme temperature can be up to 80°C.	
Cycle Use (35°C)	Charging Current	≤100A
	Charging Voltage	2.35V~2.40V
Standby Use (35°C)	Charging Current	≤100A
	Charging Voltage	2.25V
	Temp. Coefficient	-3mV/cell/°C
Capacity affected by Temperature	40°C (104°F)	103%
	35°C (95°F)	100%
	0°C (32°F)	79%
Monthly Self Discharge	≤3% per month at 25°C	

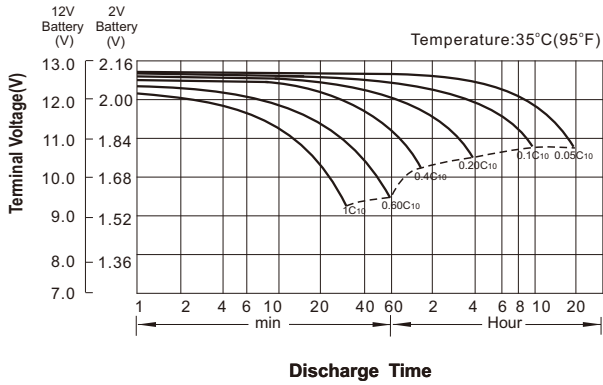
Constant Current Discharge (Amperes) at35 °C (95°F)

F. V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	466.7	396.0	361.4	325.2	273.6	224.0	188.4	124.8	96.2	77.7	65.5	57.1	45.6	38.2	20.2
1.80V/cell	568.0	463.2	411.9	366.0	301.6	243.2	204.2	133.2	101.1	81.0	68.2	59.2	47.5	40.0	21.2
1.75V/cell	663.9	532.8	466.0	410.4	330.4	265.1	223.0	140.8	106.0	85.0	71.0	61.4	48.8	40.8	21.6
1.70V/cell	759.7	597.6	515.0	446.4	355.2	281.1	236.0	147.8	110.7	88.0	73.2	63.3	50.3	41.8	22.2
1.67V/cell	815.6	643.2	555.2	480.0	376.0	293.3	246.0	153.6	114.2	90.5	75.2	64.8	50.9	42.5	22.5
1.60V/cell	888.0	688.8	588.8	504.0	392.8	306.1	256.4	159.4	116.9	92.5	76.7	66.0	51.8	42.9	22.7

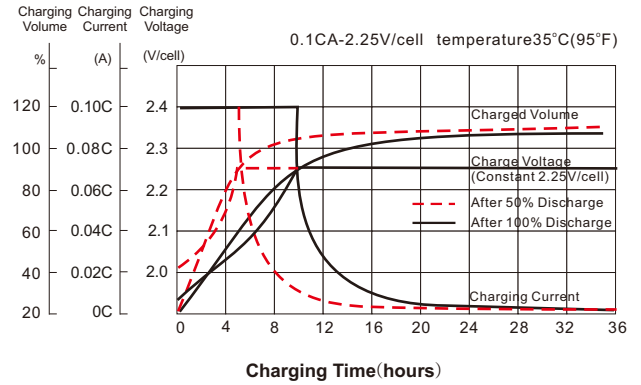
Constant Power Discharge (Watts/cell) at 35 °C (95°F)

F. V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	871.6	745.0	684.3	618.5	522.9	430.7	364.4	242.7	188.1	152.4	129.1	112.9	90.5	76.1	40.3
1.80V/cell	1043.4	858.8	769.8	688.8	571.7	464.5	392.8	257.8	196.6	158.3	133.8	116.5	94.0	79.4	42.1
1.75V/cell	1198.3	972.1	858.6	763.5	621.6	503.3	427.1	271.5	205.6	165.6	138.9	120.5	96.3	80.9	42.9
1.70V/cell	1348.5	1075.1	939.3	823.4	662.6	530.0	449.5	283.8	213.9	170.7	142.6	124.1	99.1	82.9	44.0
1.67V/cell	1421.7	1139.9	999.9	875.9	696.2	550.0	465.9	293.7	219.7	175.0	146.0	126.6	100.1	84.1	44.6
1.60V/cell	1515.8	1196.8	1042.9	909.2	720.0	568.6	482.4	302.9	223.7	178.1	148.4	128.5	101.7	84.7	44.9

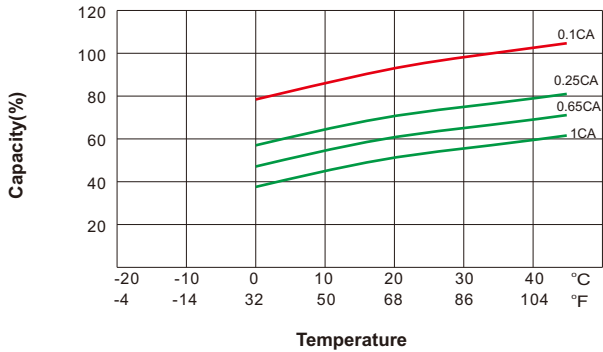
Discharge Characteristics



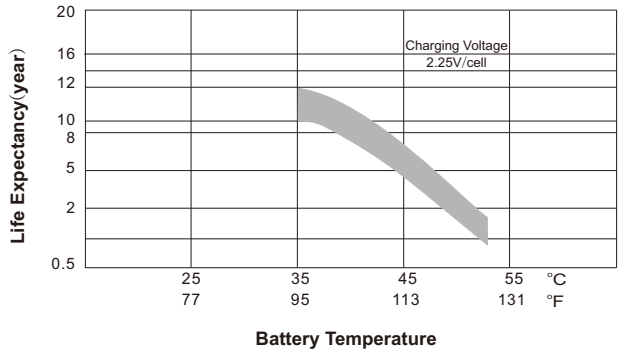
Float Charging Characteristics



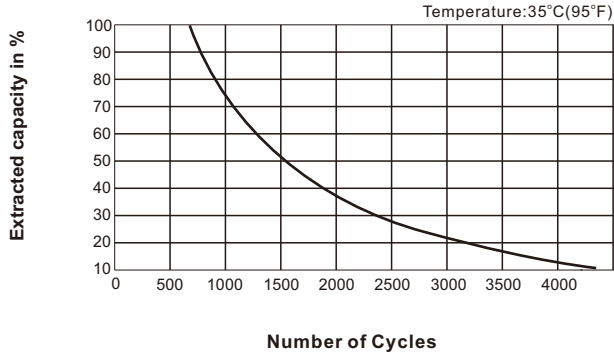
Temperature Effects in Relation to Battery Capacity



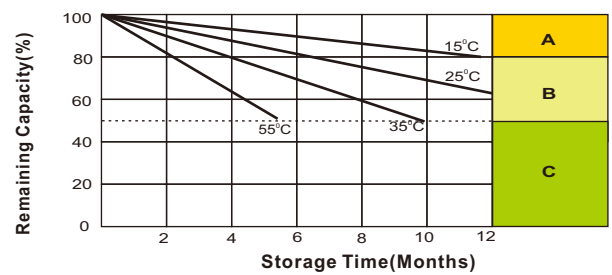
Effect of Temperature on Long Term Float Life



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 reached.

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