

Specifications

Nominal Voltage		2 V
Capacity (25℃)	10HR(1.80V)	200 Ah
	3HR(1.75V)	153Ah
	1HR(1.75V)	113Ah
Dimension	Length	173±2mm (6.81inch)
	Width	111±2mm (4.37inch)
	Height	330±2mm (12.99inch)
	Total Height	364±2mm (14.33inch)
Approx. Weight		12.4kg (27.3lbs)±4%
Terminal type		T10
Internal resistance (Fully charged, 25℃)		Approx. 0.9m Ω
Capacity affected by temperature (10HR)	40℃	102%
	25℃	100%
	0℃	85%
	-15℃	65%
Self-discharge (25℃)	3 month	Remaining Capacity: 91%
	6 month	Remaining Capacity: 82%
	12 month	Remaining Capacity: 65%
Nominal operating temperature		25℃±3℃(77°F±5°F)
Operating temperature range	Discharge	-15℃~50℃(5°F~122°F)
	Charge	-10℃~50℃(14°F~122°F)
	Storage	-20℃~50℃(-4°F~122°F)
Float charging voltage(25℃)		2.25 to 2.30V Temperature compensation: -3mV/℃
Cyclic charging voltage(25℃)		2.42 to 2.48V Temperature compensation: -5mV/℃
Maximum charging current		40A
Terminal material		Copper
Maximum discharge current		1500A(5 sec.)
Designed floating life(20℃)		20 years

- ◆ Absorbent glass mat technology;
- ◆ Recognized by UL & CE;
- ◆ ABS container.

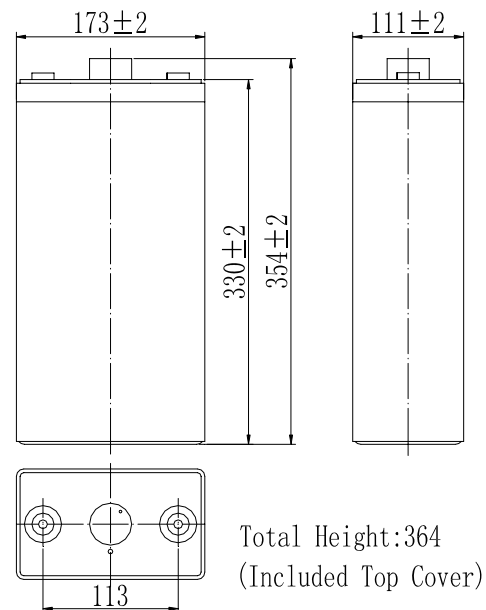
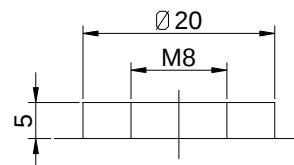
Constant Current Discharge Characteristics (A, 25℃)

F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h
1.60V	330	270	180	120	73.1	52.0	41.8	36.3	31.2	24.5	20.4	10.7	9.26
1.65V	320	264	176	118	72.6	51.7	41.6	36.1	31.0	24.3	20.3	10.7	9.25
1.70V	307	254	171	115	72.0	51.4	41.3	35.8	30.8	24.2	20.3	10.6	9.22
1.75V	294	245	167	113	70.9	51.0	41.0	35.6	30.6	24.0	20.1	10.6	9.16
1.80V	277	232	161	109	69.1	49.5	39.8	34.5	29.7	23.3	20.0	10.5	9.10

Constant Power Discharge Characteristics (Watt, 25℃)

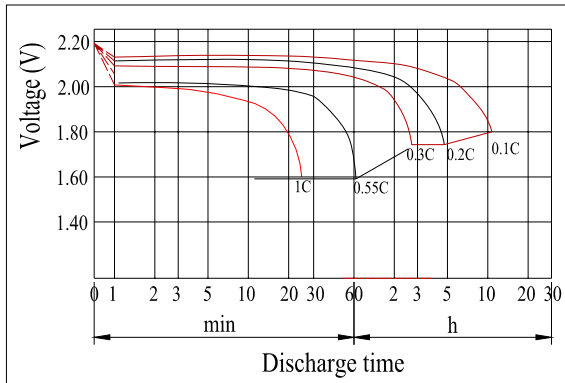
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h
1.60V	594	494	337	228	141	102	82.0	71.5	61.5	48.7	40.5	21.4	18.6
1.65V	576	482	330	225	140	101	81.5	71.1	61.1	48.4	40.4	21.3	18.6
1.70V	552	464	320	219	139	101	80.9	70.6	60.7	48.1	40.3	21.3	18.5
1.75V	529	449	312	215	137	100	80.4	70.1	60.3	47.8	40.1	21.1	18.4
1.80V	499	425	301	208	133	97.0	77.9	68.0	58.5	46.3	39.8	21.0	18.3

Note: The above characteristics data can be obtained within three charge/discharge cycles.

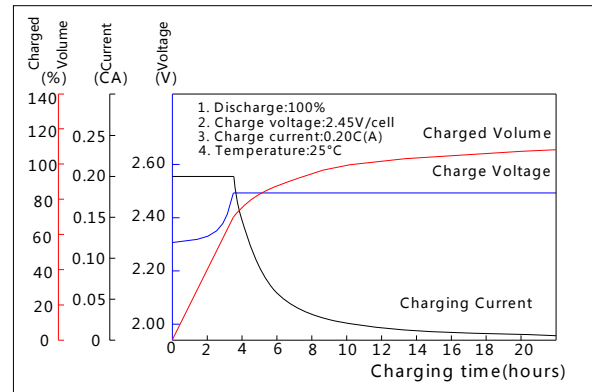
Dimensions**Terminal**

Terminal T10

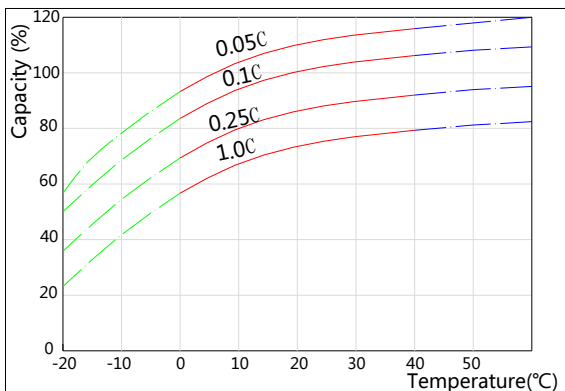
Discharge Characteristics(25℃)



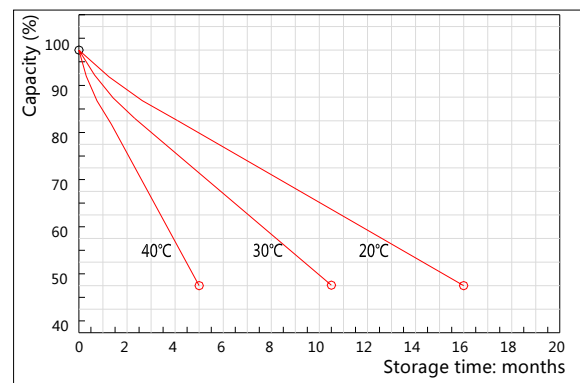
Charging Characteristics(25℃)



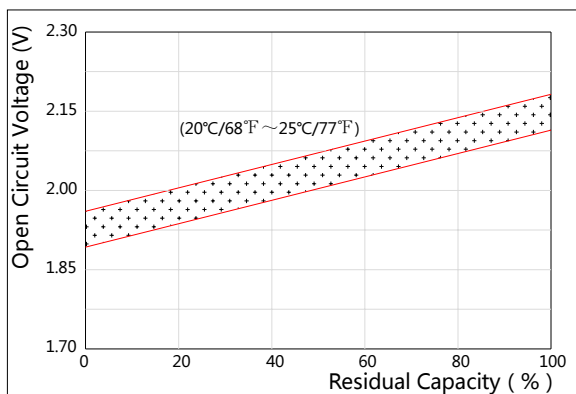
Effect of Temperature on Capacity



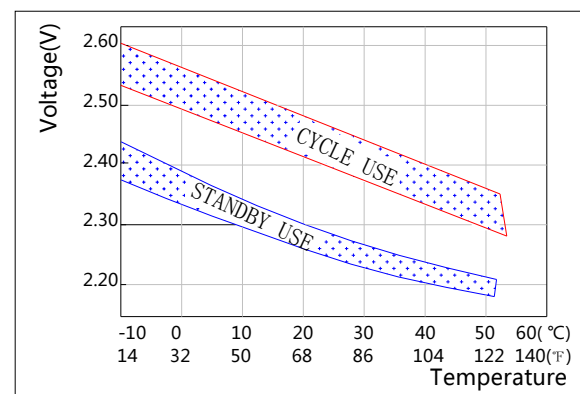
Self-discharge Characteristics



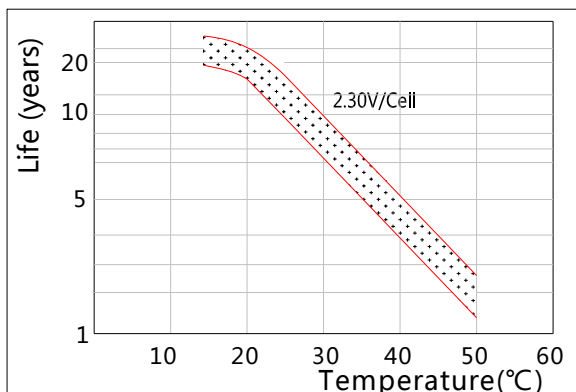
The Relationship for Open Circuit Voltage and Residual Capacity (25℃)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D.(25℃)

