

Specifications

Nominal Voltage		2 V
Capacity (25°C)	120HR(1.80V)	3060 Ah
	10HR(1.80V)	2500 Ah
	1HR(1.60V)	1425Ah
Dimension	Length	487±2mm (19.2inch)
	Width	210±2mm (8.27inch)
	Height	772±3mm (30.4inch)
	Total Height	807±3mm (31.81inch)
Approx. Weight		174kg (383 lbs) ±4%
Terminal type		T10
Internal resistance (Fully charged, 25°C)		Approx. 0.20m Ω
Capacity affected by temperature (10HR)	40°C	103%
	25°C	100%
	0°C	88%
	-15°C	70%
Self-discharge (25°C)	3 month	Remaining Capacity: 94%
	6 month	Remaining Capacity: 88%
	12 month	Remaining Capacity: 75%
Nominal operating temperature		25°C ± 3°C (77°F ± 5°F)
Operating temperature range	Discharge	-15°C ~ 50°C (5°F ~ 122°F)
	Charge	-10°C ~ 50°C (14°F ~ 122°F)
	Storage	-20°C ~ 50°C (-4°F ~ 122°F)
Float charging voltage(25°C)		2.25 to 2.27V Temperature compensation: -3mV/°C
Cyclic charging voltage(25°C)		2.35 to 2.40V Temperature compensation: -4mV/°C
Maximum charging current		500A
Terminal material		Copper
Maximum discharge current		12500A(5 sec.)
Designed floating life(20°C)		20 years

- ◆ Gelled electrolyte technology;
- ◆ Tubular Positive Plate;
- ◆ ABS container.
- ◆ DIN 40742 Standard

Constant Current Discharge Characteristics (A, 25°C)

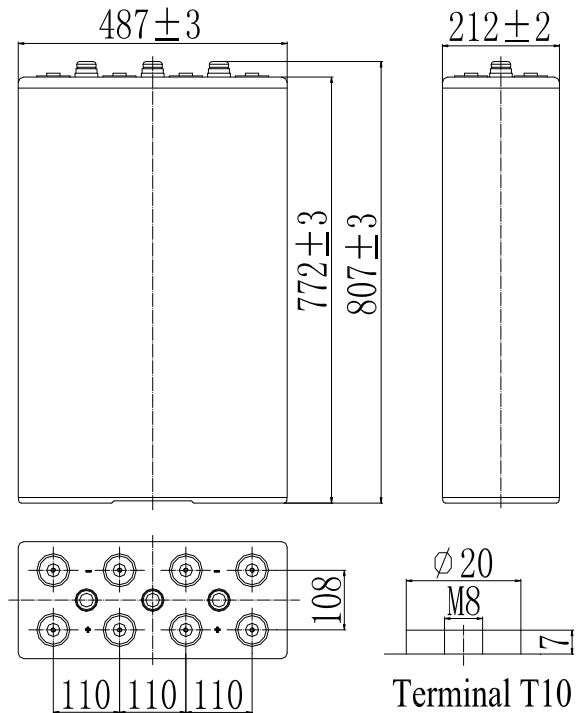
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h	48h	72h	100h	120h
1.65V	2083	1403	858	660	533	455	390	308	255	135	116	---	---	---	---
1.70V	2020	1368	850	655	528	450	388	305	253	134	115	61.3	---	---	---
1.75V	1970	1340	838	650	525	448	385	303	253	134	115	61.0	41.5	---	---
1.80V	1898	1300	815	630	510	435	373	293	250	133	115	60.5	41.3	---	---
1.85V	1803	1235	775	598	485	413	355	278	238	126	109	59.3	40.5	30.3	25.5

Constant Power Discharge Characteristics (Watt, 25°C)

F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h	48h	72h	100h	120h
1.65V	3895	2668	1655	1293	1043	895	770	608	505	270	233	---	---	---	---
1.70V	3775	2600	1640	1283	1035	888	765	603	505	268	232	124	---	---	---
1.75V	3683	2548	1615	1275	1030	883	758	600	500	268	231	123	84.8	---	---
1.80V	3548	2470	1575	1235	998	855	735	580	498	265	230	122	84.3	---	---
1.85V	3370	2348	1498	1173	948	813	698	550	473	252	219	120	82.5	61.0	52.0

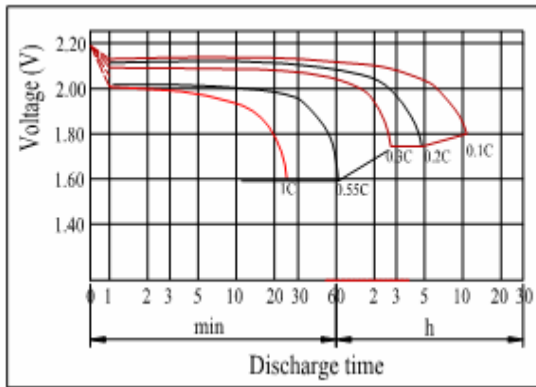
Note: The above characteristics data can be obtained within three charge/discharge cycles.

Dimensions

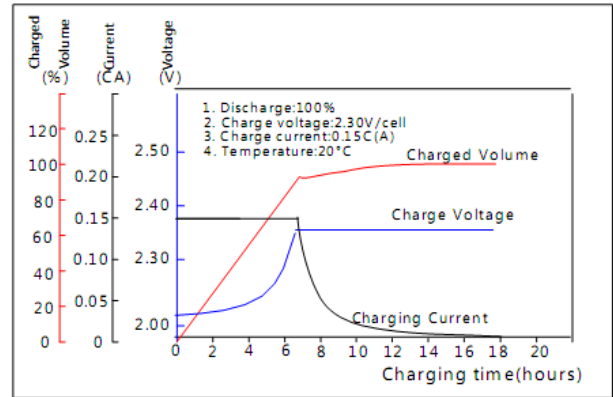


Terminal T10

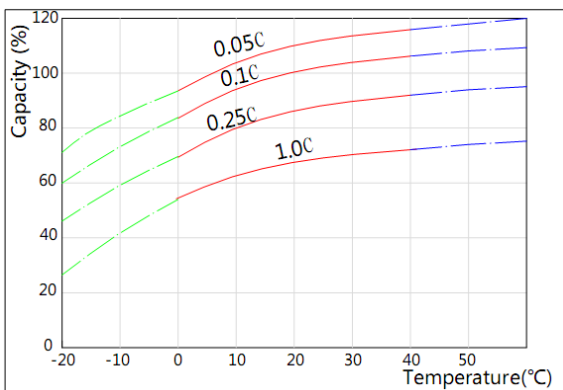
Discharge Characteristics(25°C)



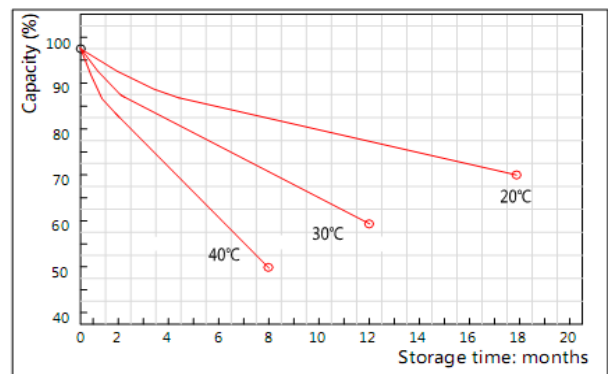
Charging Characteristics(25°C)



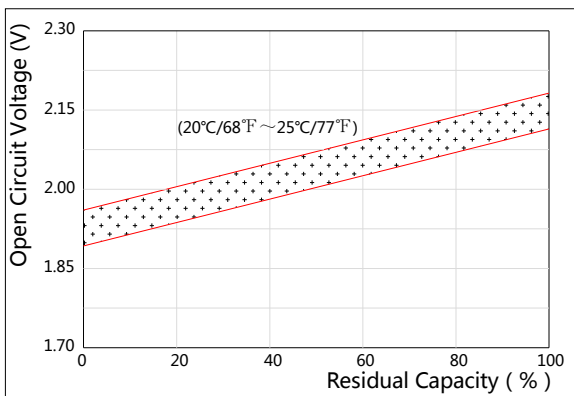
Effect of Temperature on Capacity



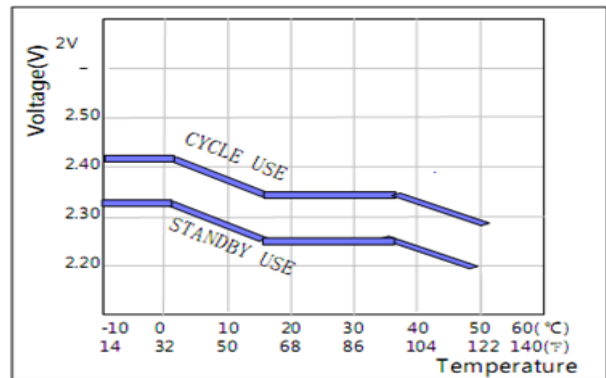
Self-discharge Characteristics



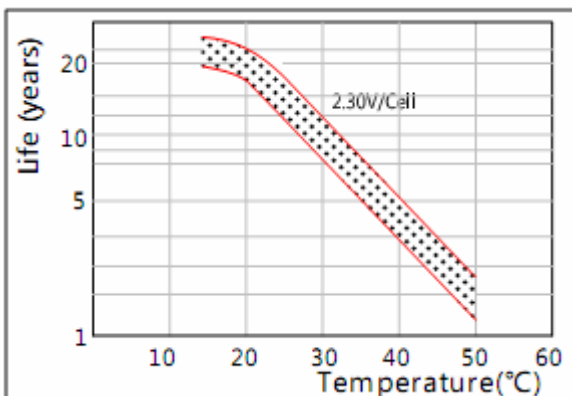
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

