

Specifications

Nominal Voltage		2 V
Capacity (25°C)	10HR(1.80V)	400 Ah
	3HR(1.75V)	300Ah
	1HR(1.60V)	227 Ah
Dimension	Length	206 ± 2mm (8.11inch)
	Width	145 ± 1mm (5.71inch)
	Height	471 ± 2mm (18.54inch)
	Total Height	506 ± 2mm (19.92inch)
Approx. Weight		27.5kg (60.5lbs) ± 3%
Terminal type		T10
Internal resistance (Fully charged, 25°C)		Approx. 0.60m 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 ~ 55°C (5°F ~ 131°F)
	Charge	-10°C ~ 55°C (14°F ~ 131°F)
	Storage	-20°C ~ 55°C (-4°F ~ 131°F)
Float charging voltage(25°C)		2.25 to 2.30V Temperature compensation: -3mV/°C
Cyclic charging voltage(25°C)		2.35 to 2.40V Temperature compensation: -5mV/°C
Maximum charging current		80A
Terminal material		Copper
Maximum discharge current		2000A(5 sec.)
Designed floating life(20°C)		20 years

- ◆ Gelled electrolyte technology;
- ◆ PVC separator;
- ◆ Recognized by UL & CE;
- ◆ ABS container.

Constant Current Discharge Characteristics (A, 25°C)

F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
1.60V	320	227	140	102	82.0	72.0	61.9	48.4	40.8	21.5	---	---
1.65V	315	223	140	102	81.6	71.2	61.5	48.4	40.8	21.5	--	--
1.70V	307	216	139	101	80.8	70.8	61.1	48.0	40.4	21.2	9.76	---
1.75V	300	212	136	100	80.4	70.4	60.7	47.6	40.4	21.2	9.76	4.04
1.80V	292	204	133	96.8	78.0	68.7	58.7	46.0	40.0	21.1	9.68	4.00

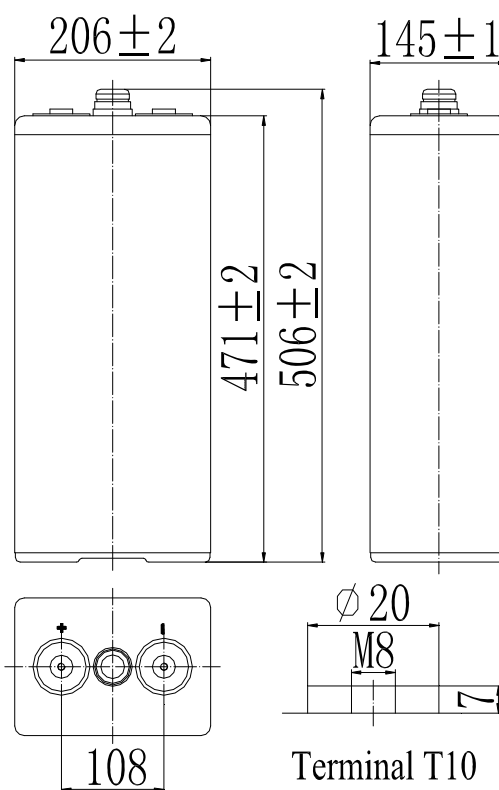
Constant Power Discharge Characteristics (Watt, 25°C)

F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
1.60V	599	428	271	200	161	141	122	96.7	81.2	42.8	---	---
1.65V	587	423	268	199	160	141	121	95.9	80.8	42.8	--	--
1.70V	576	411	267	196	159	140	120	95.1	80.8	42.4	19.9	---
1.75V	564	403	263	196	157	139	119	94.7	80.0	42.4	19.7	8.24
1.80V	547	392	256	191	153	135	116	91.9	79.6	42.0	19.6	8.20

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



Dimensions

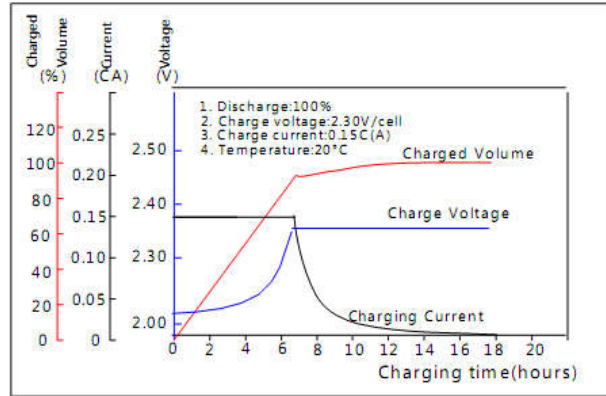


Terminal T10

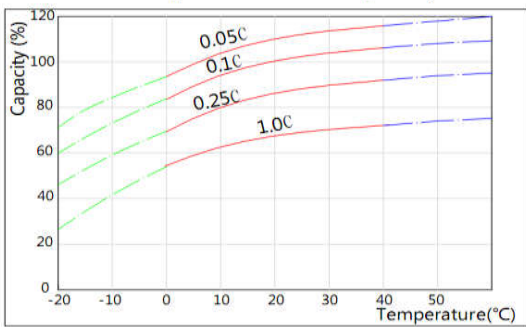
Discharge Characteristics(25°C)



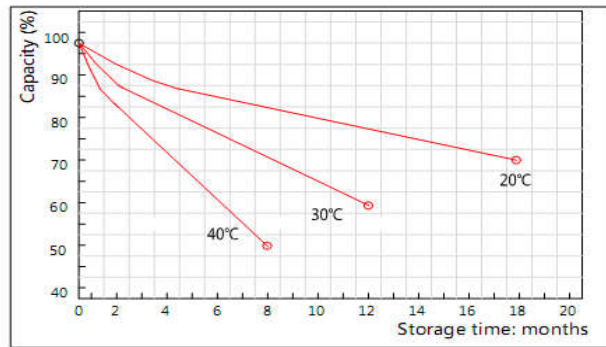
Charging Characteristics(25°C)



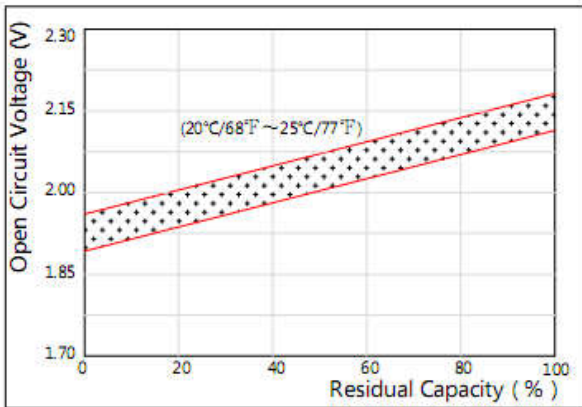
Effect of Temperature on Capacity



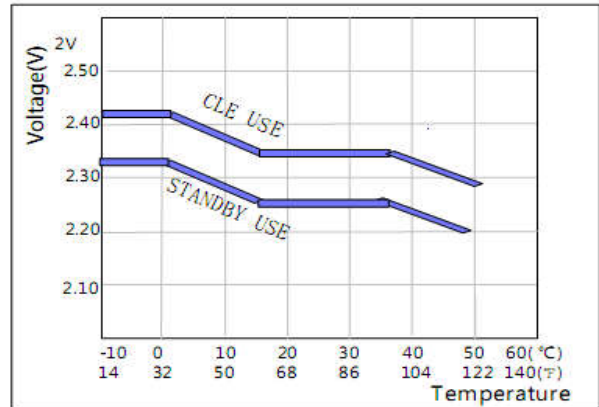
Self-discharge Characteristics



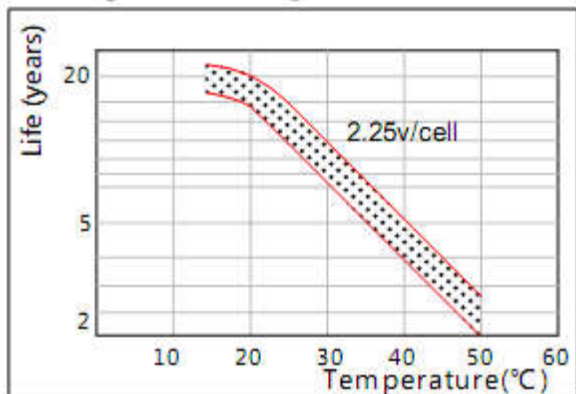
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

