

Specifications

Nominal Voltage		2 V
Capacity (25°C)	10HR(1.80V)	2000 Ah
	3HR(1.75V)	1533Ah
	1HR(1.60V)	1200Ah
Dimension	Length	490 ± 2mm (19.29inch)
	Width	350 ± 2mm (13.78inch)
	Height	345 ± 2mm (13.58inch)
	Total Height	382 ± 3mm (15.04inch)
Approx. Weight		130kg (286lbs) ± 3%
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 ~ 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		400A
Terminal material		Copper
Maximum discharge current		10000A(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	24h	120h
1.60V	1700	1200	731	520	419	364	312	244	204	107	---	---
1.65V	1667	1176	727	519	416	360	311	244	204	107	--	--
1.70V	1632	1152	720	515	412	359	308	243	203	106	48.8	--
1.75V	1600	1131	711	511	411	356	307	240	203	106	48.8	20.2
1.80V	1551	1095	692	495	399	347	296	232	200	105	48.4	20.0

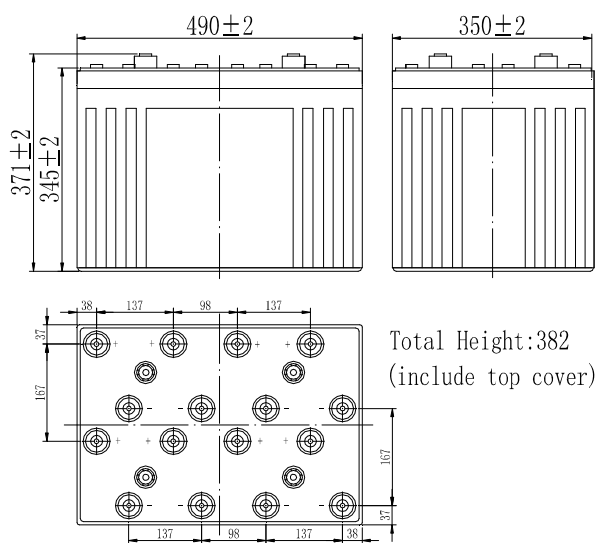
Constant Power Discharge Characteristics (Watt, 25°C)

F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h	120h
1.60V	3180	2280	1411	1020	820	716	615	488	407	215	---	---
1.65V	3120	2240	1403	1015	815	712	612	484	404	215	--	--
1.70V	3060	2180	1391	1007	811	707	608	480	404	212	99.5	--
1.75V	3000	2140	1368	1000	804	703	603	479	400	212	98.4	41.2
1.80V	2900	2080	1335	971	780	680	584	464	399	211	97.9	41.1

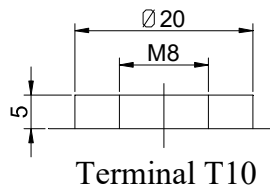
Note: The above characteristics data can be obtained within three charge/discharge cycles.



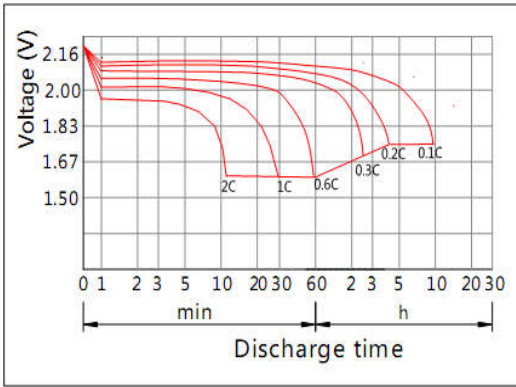
Dimensions



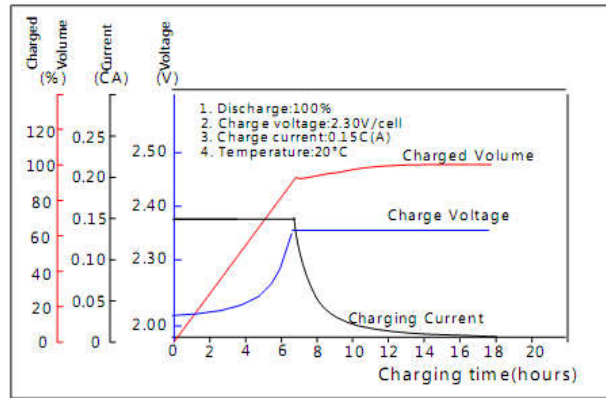
Terminal



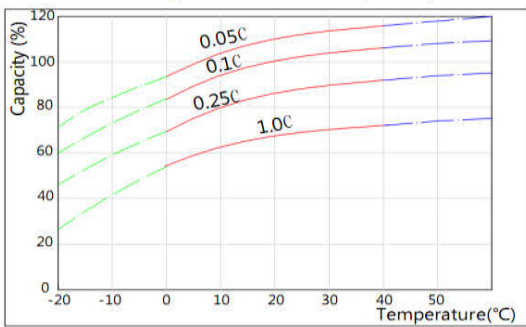
Discharge Characteristics(25°C)



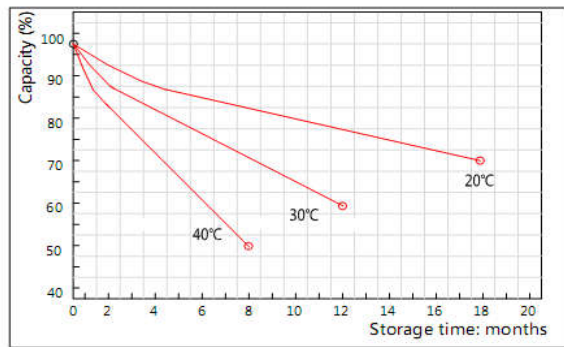
Charging Characteristics(25°C)



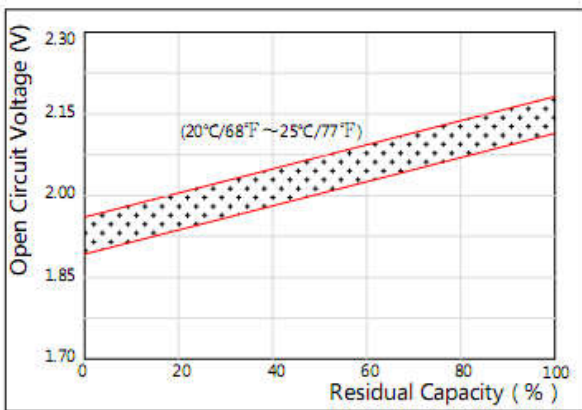
Effect of Temperature on Capacity



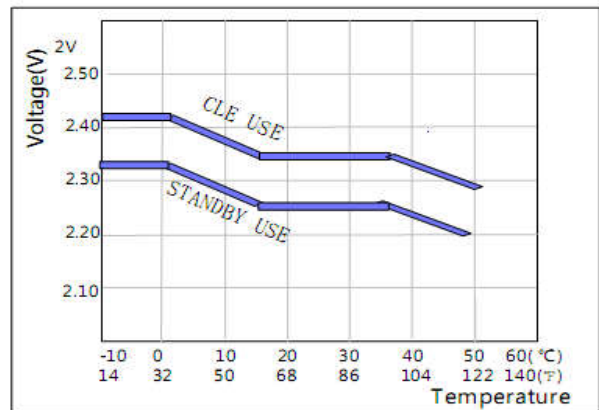
Self-discharge Characteristics



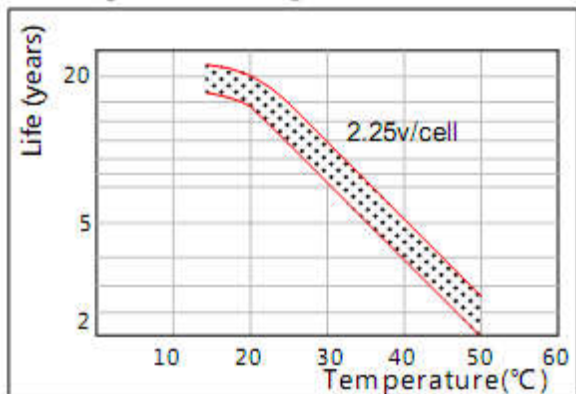
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

