

Specifications

Nominal Voltage		2 V
Capacity (25°C)	10HR(1.80V)	1500 Ah
	3HR(1.75V)	1149 Ah
	1HR(1.60V)	900Ah
Dimension	Length	400 ± 2mm (15.75inch)
	Width	350 ± 2mm (13.78inch)
	Height	345 ± 2mm (13.58inch)
	Total Height	382 ± 3mm (15.04inch)
Approx. Weight		97kg (213.4lbs) ± 3%
Terminal type		T10
Internal resistance (Fully charged, 25°C)		Approx. 0.22m 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		300A
Terminal material		Copper
Maximum discharge current		9000A(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	1275	900	548	390	314	273	234	183	153	80.1	---	---
1.65V	1250	882	545	389	312	270	233	183	153	80.0	--	--
1.70V	1224	864	540	386	309	269	231	182	152	79.8	36.6	--
1.75V	1200	848	533	383	308	267	230	180	152	79.4	36.6	15.15
1.80V	1163	821	519	371	299	260	222	174	150	78.8	36.3	15.00

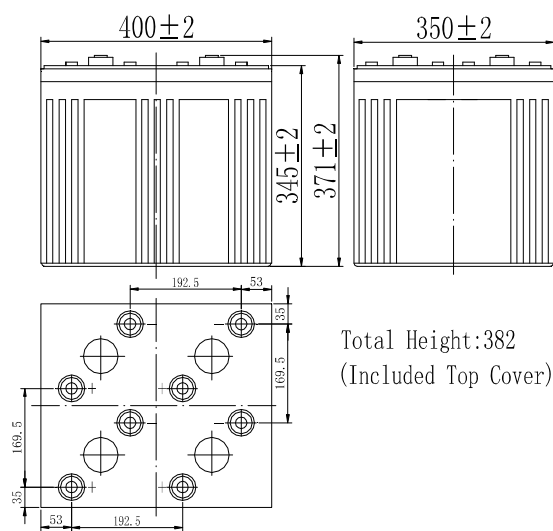
Constant Power Discharge Characteristics (Watt, 25°C)

F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h	120h
1.60V	2385	1710	1058	765	615	537	461	366	305	161	---	---
1.65V	2340	1680	1052	761	611	534	459	363	303	161	--	--
1.70V	2295	1635	1043	755	608	530	456	360	303	159	74.6	--
1.75V	2250	1605	1026	750	603	527	452	359	300	159	73.8	30.9
1.80V	2175	1560	1001	728	585	510	438	348	299	158	73.4	30.8

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

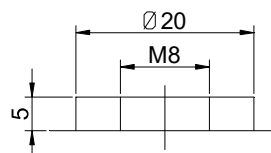


Dimensions



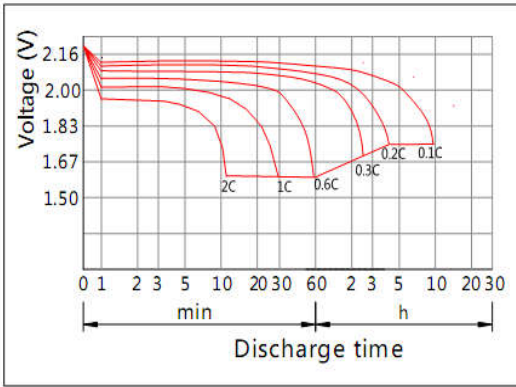
Total Height:382
(Included Top Cover)

Terminal

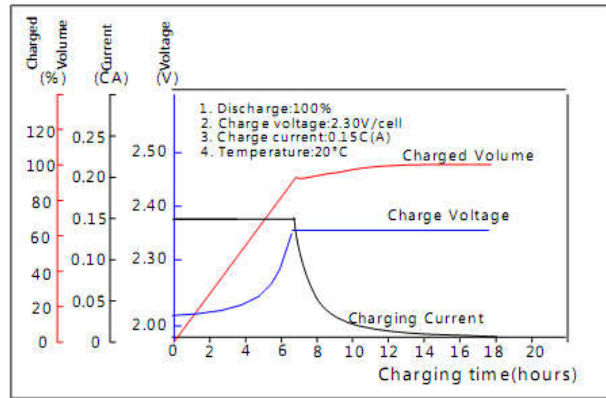


Terminal T10

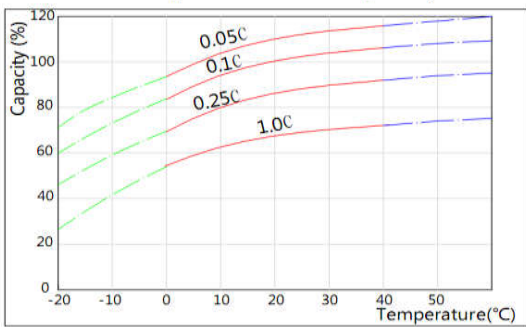
Discharge Characteristics(25°C)



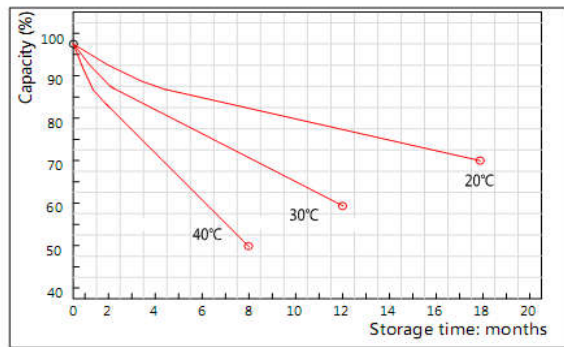
Charging Characteristics(25°C)



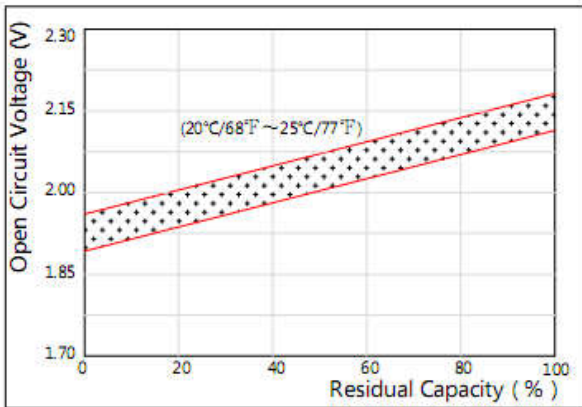
Effect of Temperature on Capacity



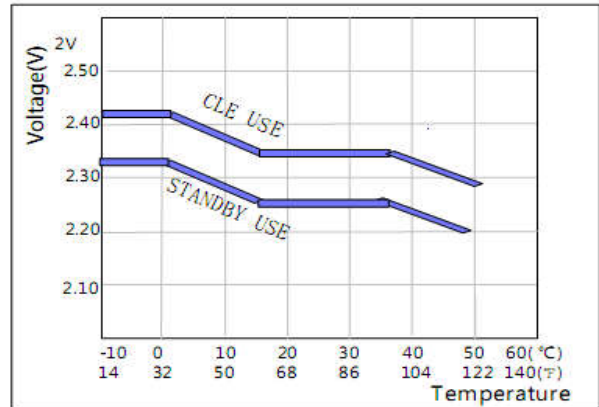
Self-discharge Characteristics



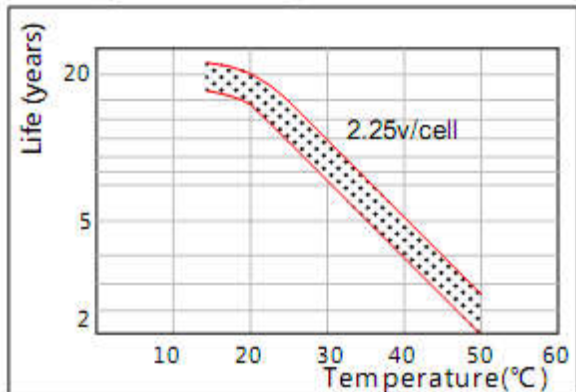
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

