

Specifications

Nominal Voltage		2 V
Capacity (25°C)	10HR(1.80V)	800 Ah
	3HR(1.75V)	615Ah
	1HR(1.60V)	480Ah
Dimension	Length	410 ± 2mm (16.14inch)
	Width	175 ± 2mm (6.89inch)
	Height	330 ± 2mm (12.99inch)
	Total Height	367 ± 2mm (14.45inch)
Approx. Weight		53.5kg (117.7lbs) ± 3%
Terminal type		T10
Internal resistance (Fully charged, 25°C)		Approx. 0.40m 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	160A	
Terminal material	Copper	
Maximum discharge current	4000A(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	680	480	295	208	168	145	125	97.6	81.6	43.1	---	---
1.65V	671	472	289	208	167	144	124	97.6	81.6	43.1	--	--
1.70V	655	463	288	207	165	143	123	96.8	80.8	42.4	19.5	---
1.75V	640	455	287	205	165	143	122	96.0	80.8	42.4	19.5	8.08
1.80V	623	439	279	199	159	139	118	92.8	80.0	42.3	19.3	8.00

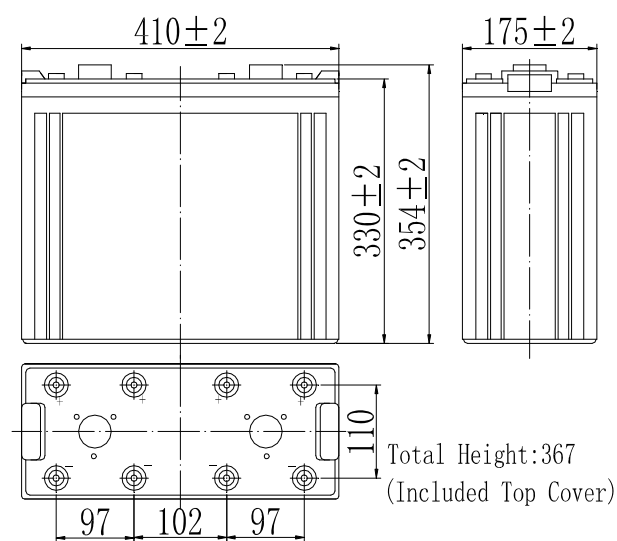
Constant Power Discharge Characteristics (Watt, 25°C)

F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
1.60V	1272	912	567	408	328	287	247	195	163	85.6	---	---
1.65V	1248	896	560	407	327	287	245	193	161	85.6	--	--
1.70V	1224	872	559	400	327	281	245	192	161	84.8	39.9	---
1.75V	1200	856	544	400	321	280	240	192	160	84.8	39.3	16.5
1.80V	1160	832	535	391	312	272	233	185	159	84.0	39.2	16.4

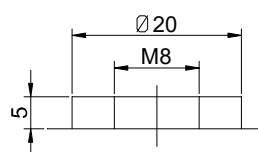
Note: The above characteristics data can be obtained within three charge/discharge cycles.



Dimensions

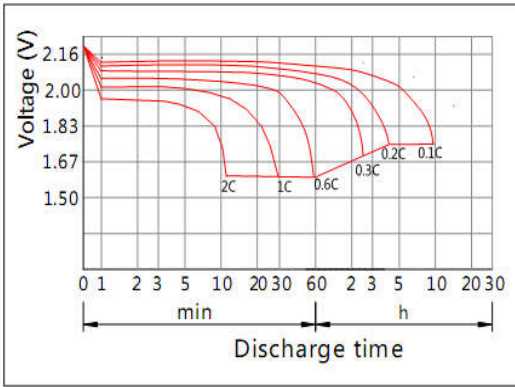


Terminal

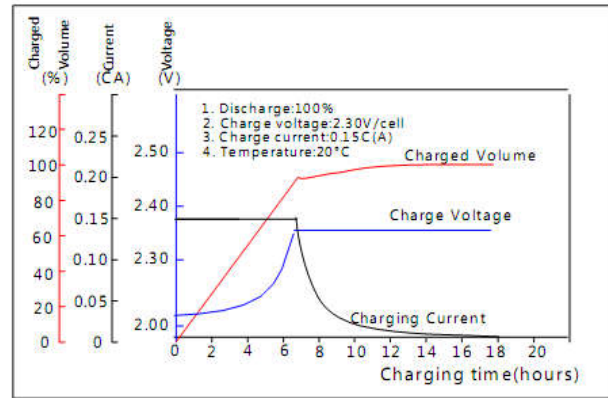


Terminal T10

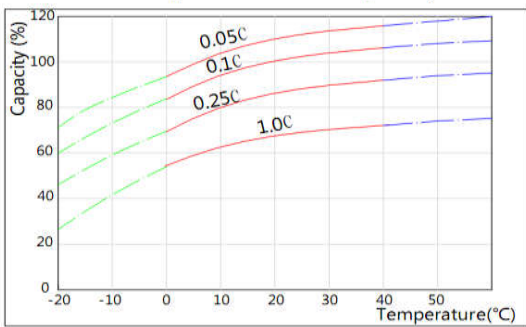
Discharge Characteristics(25°C)



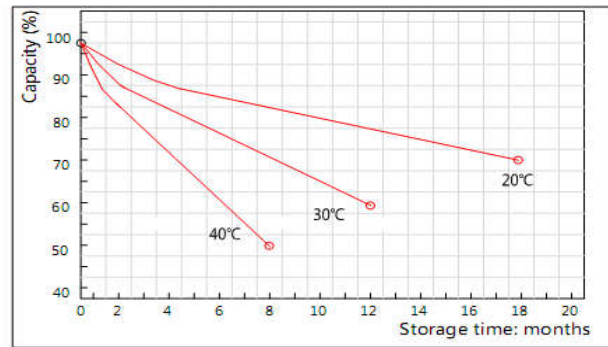
Charging Characteristics(25°C)



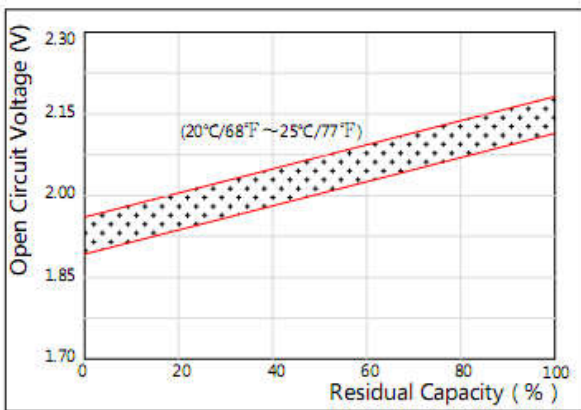
Effect of Temperature on Capacity



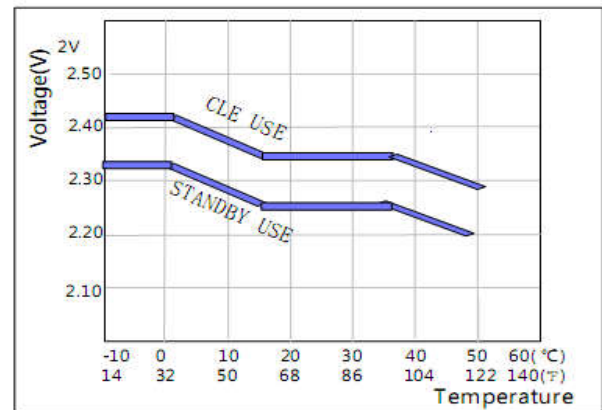
Self-discharge Characteristics



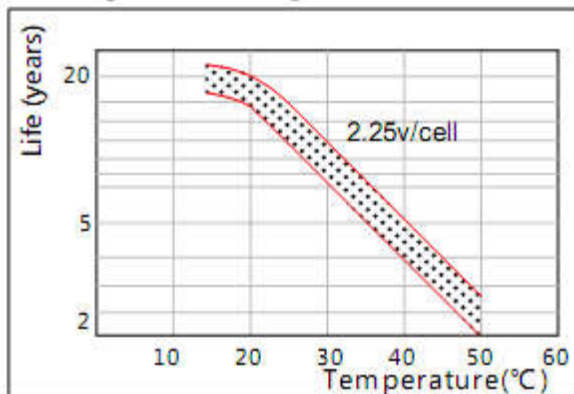
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

