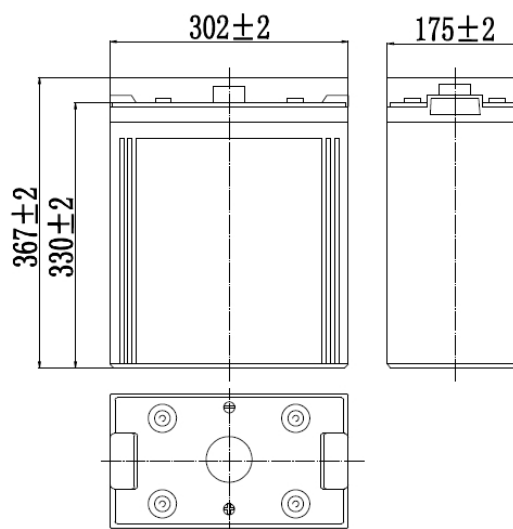


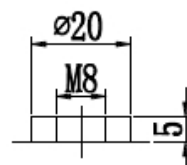
Specifications

Nominal Voltage		2 V
Capacity (25℃)	10HR(1.80V)	600 Ah
	3HR(1.75V)	468Ah
	1HR(1.75V)	348Ah
Dimension	Length	302±2mm (11.89inch)
	Width	175±2mm (6.89inch)
	Height	330±2mm (12.99inch)
	Total Height	367±2mm (14.45inch)
Approx. Weight		36kg (80.5lbs)±4%
Terminal type		F12
Internal resistance (Fully charged, 25℃)		Approx. 0.45mΩ
Capacity affected by temperature (10HR)	40℃	102%
	25℃	100%
	0℃	85%
	-15℃	65%
Self-discharge (25℃)	3 month	Remaining Capacity: 91%
	6 month	Remaining Capacity: 82%
	12 month	Remaining Capacity: 65%
Nominal operating temperature		25℃±3℃(77°F±5°F)
Operating temperature range	Discharge	-15℃~50℃(5°F~122°F)
	Charge	-10℃~50℃(14°F~122°F)
	Storage	-20℃~50℃(-4°F~122°F)
Float charging voltage(25℃)		2.25 to 2.30V Temperature compensation: -3mV/℃
Cyclic charging voltage(25℃)		2.42 to 2.50V Temperature compensation: -5mV/℃
Maximum charging current		120A
Maximum discharge current		4000A(5 sec.)
Designed floating life(20℃)		15~18 years

Dimensions



Terminal



Terminal F12

Constant Current Discharge Characteristics (A, 25℃)

F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	834	546	375	221	159	127	110	94.2	74.4	61.4	32.4
1.65V	814	535	369	220	158	127	109	93.7	73.9	61.3	32.3
1.70V	784	519	360	218	157	126	108	93.0	73.4	61.1	32.2
1.75V	757	506	353	215	156	125	107	92.4	72.9	60.7	32.0
1.80V	717	488	342	209	151	121	104	89.6	70.7	60.3	31.8

Constant Power Discharge Characteristics (Watt, 25℃)

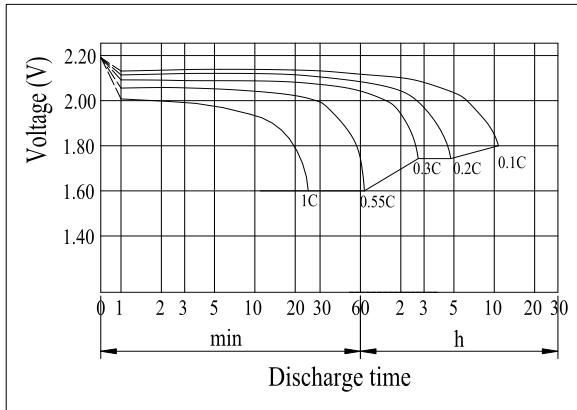
F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	1526	1021	713	427	312	250	216	186	148	122	64.7
1.65V	1490	1001	702	424	310	248	215	185	147	122	64.6
1.70V	1435	970	684	420	308	246	213	183	146	122	64.4
1.75V	1386	946	670	414	306	245	212	182	145	121	64.0
1.80V	1313	912	650	404	297	237	205	177	141	120	63.6

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

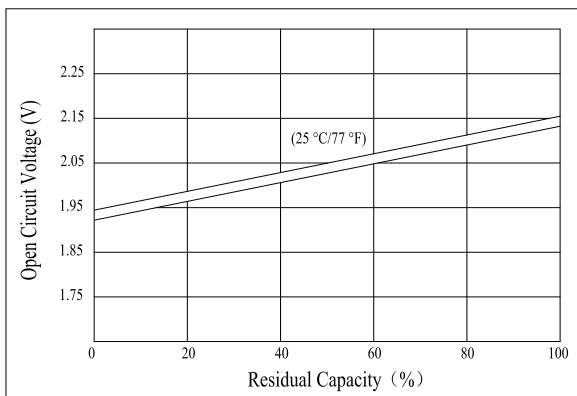
Construction

Component	Positive plate	Negative plate	Container	Cover	Separator	Electrolyte	Safety valve	Terminal
Raw material	Lead dioxide	Lead	ABS	ABS	AGM	Sulfuric acid	Rubber	Copper

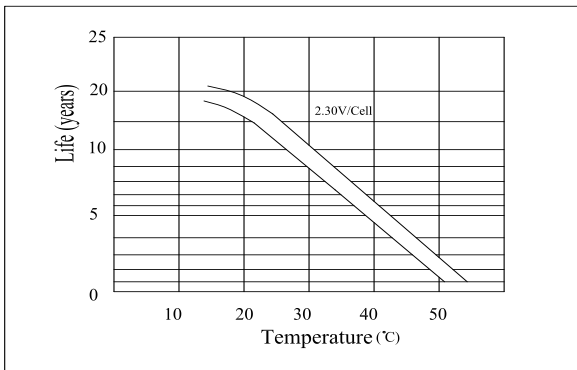
Discharge Characteristics(25°C)



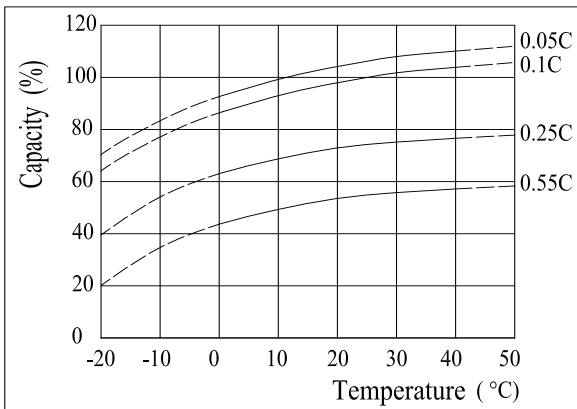
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



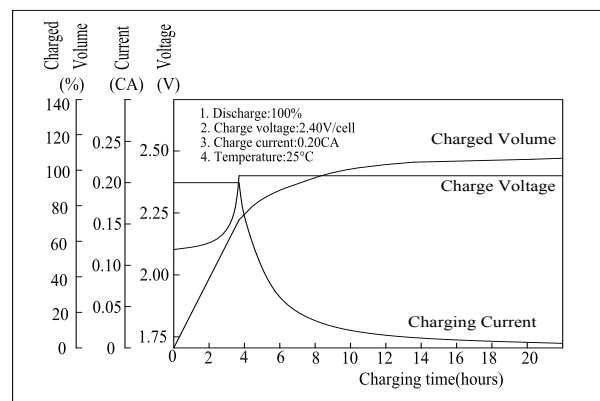
Floating Life on Temperature



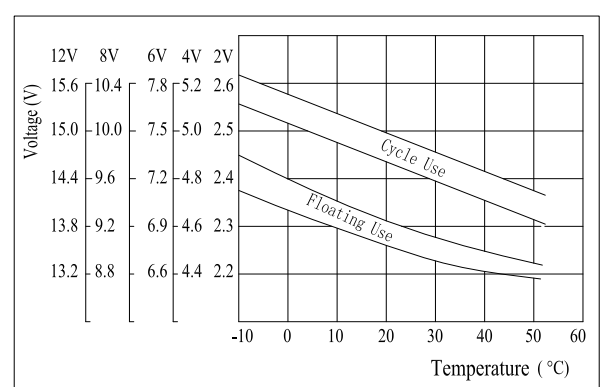
Effect of Temperature on Capacity



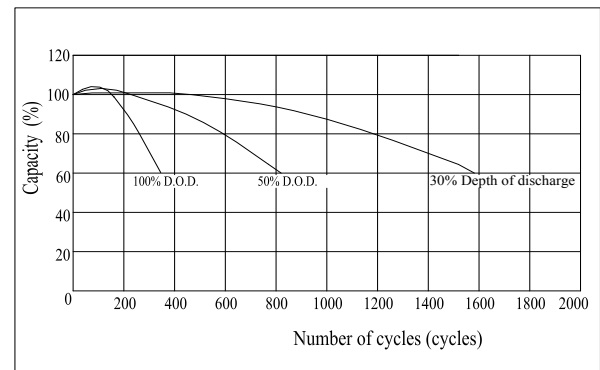
Charging Characteristics(25°C)



The Relationship for Charging Voltage and Temperature



Cycle Life on D.O.D(25°C)



Self-discharge Characteristics

