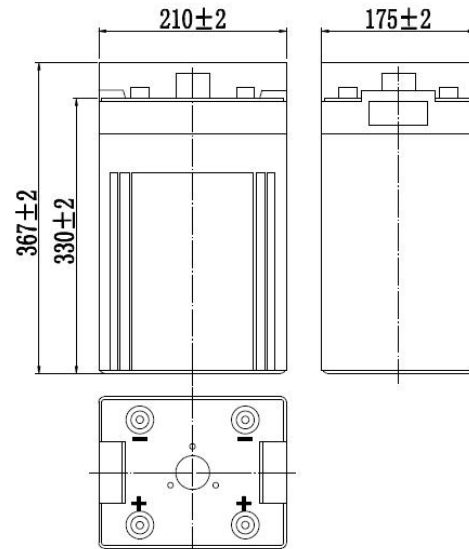
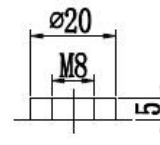


**Specifications**

Nominal Voltage		2 V
Capacity (25°C)	10HR(1.80V)	400 Ah
	3HR(1.75V)	312Ah
	1HR(1.75V)	232Ah
Dimension	Length	210±2mm (8.27inch)
	Width	175±2mm (6.89inch)
	Height	330±2mm (12.99inch)
	Total Height	367±2mm (14.45inch)
Approx. Weight		25kg (55.1lbs)±4%
Terminal type		F12
Internal resistance (Fully charged, 25°C)		Approx. 0.6mΩ
Capacity affected by temperature (10HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (25°C)	3 month	Remaining Capacity: 91%
	6 month	Remaining Capacity: 82%
	12 month	Remaining Capacity: 65%
Nominal operating temperature		25°C ± 3°C (77°F ± 5°F)
Operating temperature range	Discharge	-15°C ~ 50°C (5°F ~ 122°F)
	Charge	-10°C ~ 50°C (14°F ~ 122°F)
	Storage	-20°C ~ 50°C (-4°F ~ 122°F)
Float charging voltage(25°C)		2.25 to 2.30V Temperature compensation: -3mV/°C
Cyclic charging voltage(25°C)		2.42 to 2.50V Temperature compensation: -5mV/°C
Maximum charging current		80A
Maximum discharge current		2800A(5 sec.)
Designed floating life(20°C)		15~18 years

**Dimensions**

**Terminal**


Terminal F12

**Constant Current Discharge Characteristics (A, 25°C)**

F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	556	364	250	147	106	84.9	73.0	62.8	49.6	40.9	21.6
1.65V	543	357	246	147	105	84.4	72.6	62.5	49.3	40.8	21.5
1.70V	523	346	240	145	105	83.8	72.1	62.0	48.9	40.7	21.5
1.75V	505	337	235	143	104	83.2	71.6	61.6	48.6	40.5	21.3
1.80V	478	325	228	139	101	80.7	69.5	59.8	47.1	40.2	21.2

**Constant Power Discharge Characteristics (Watt, 25°C)**

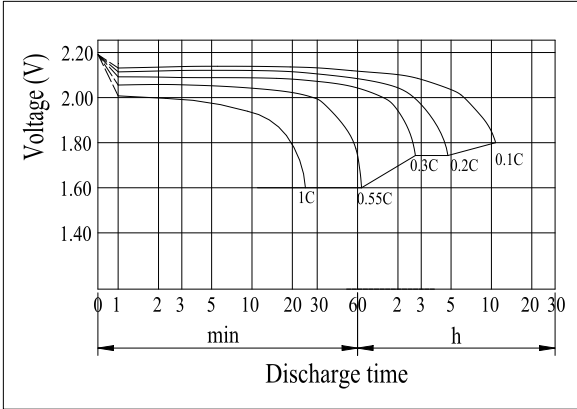
F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	1017	681	475	284	208	166	144	124	98.6	81.4	43.2
1.65V	993	667	468	283	207	165	143	123	98.1	81.3	43.1
1.70V	956	647	456	280	205	164	142	122	97.4	81.0	43.0
1.75V	924	631	447	276	204	163	141	121	96.7	80.6	42.7
1.80V	875	608	433	269	198	158	137	118	93.8	80.0	42.4

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

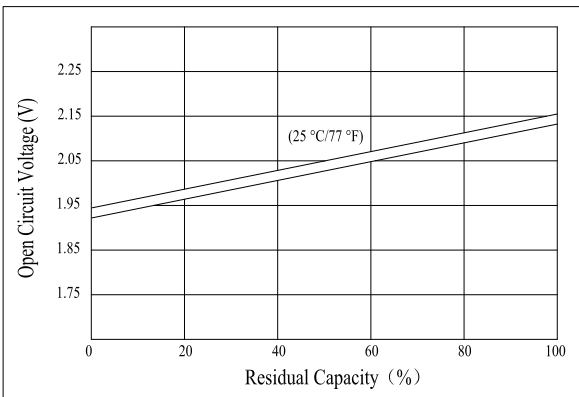
**Construction**

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

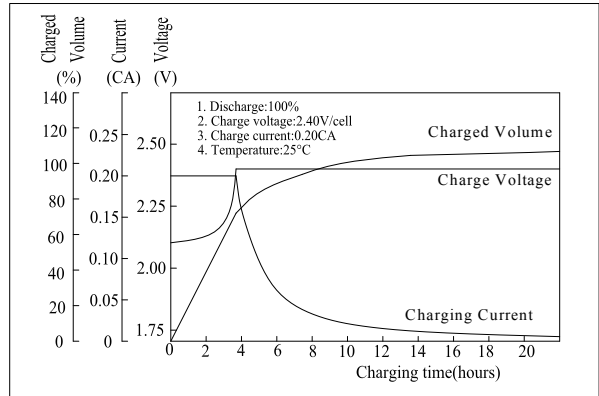
**Discharge Characteristics(25°C)**



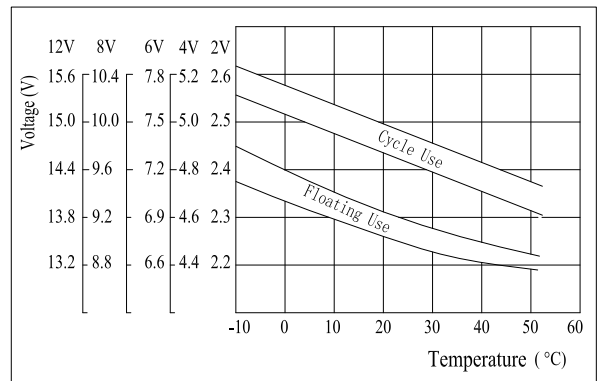
**The Relationship for Open Circuit Voltage and Residual Capacity (25°C)**



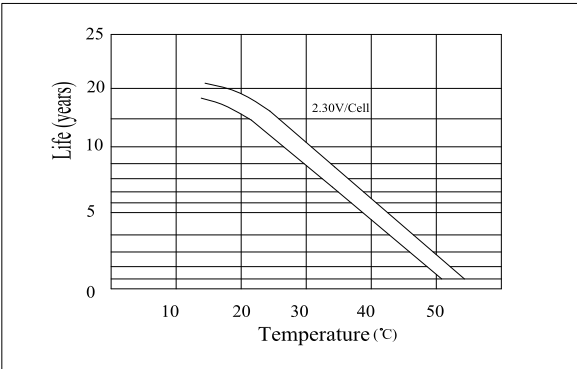
**Charging Characteristics(25°C)**



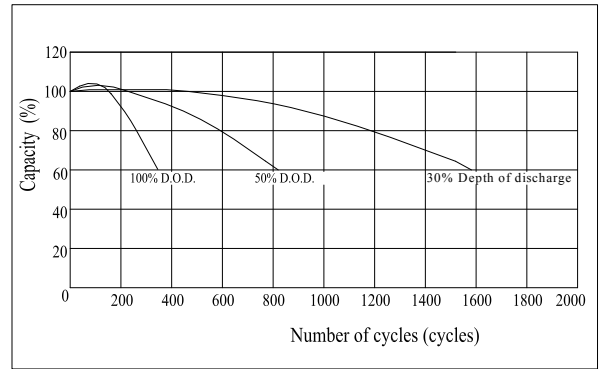
**The Relationship for Charging Voltage and Temperature**



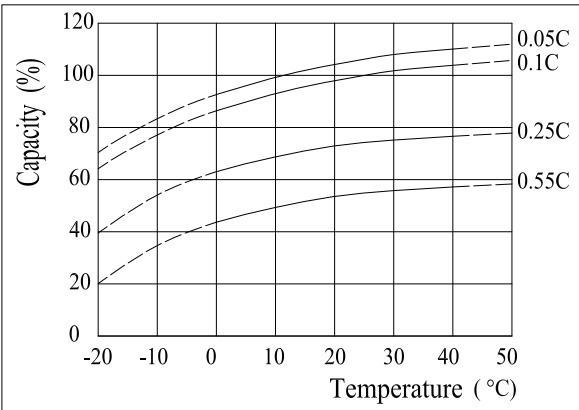
**Floating Life on Temperature**



**Cycle Life on D.O.D(25°C)**



**Effect of Temperature on Capacity**



**Self-discharge Characteristics**

