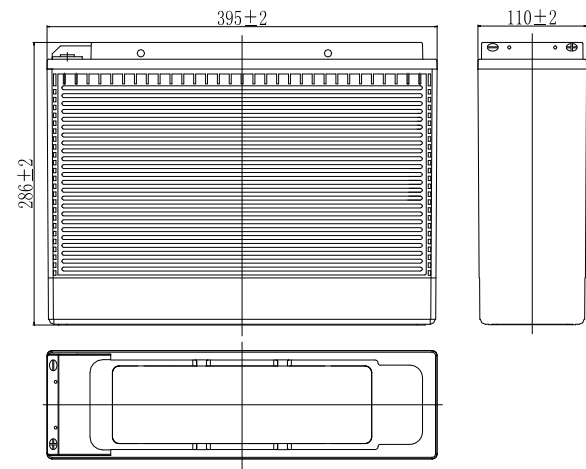
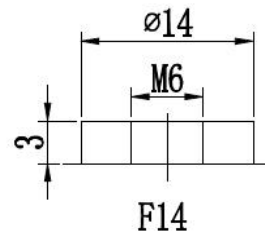


**Specifications**

Nominal Voltage		12 V
Capacity (25°C)	10HR(10.8V)	100 Ah
	5HR(10.5V)	88Ah
	1HR(9.60V)	60Ah
Dimension	Length	395±2mm (15.55inch)
	Width	110±2mm (4.33inch)
	Height	286±2mm (11.26inch)
	Total Height	286±2mm (11.26inch)
Approx. Weight		31kg (68.3lbs)±4%
Terminal type		F14
Internal resistance (Fully charged, 25°C)		Approx. 5.5m Ω
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)		13.50 to 13.80V Temperature compensation: -18mV/°C
Cyclic charging voltage(25°C)		14.50 to 15.00V Temperature compensation: -30mV/°C
Maximum charging current		30A
Maximum discharge current		800A(5 sec.)
Designed floating life(20°C)		12 years

**Dimensions**

**Terminal**

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

F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	211	163	97.5	59.9	36.5	26.0	21.0	18.0	12.3	10.2	5.40
9.90V	205	159	95.5	59.0	36.3	25.9	20.9	17.8	12.3	10.2	5.38
10.2V	197	153	92.6	57.5	36.0	25.7	20.7	17.7	12.2	10.1	5.37
10.5V	188	148	90.4	56.3	35.5	25.5	20.6	17.6	12.1	10.1	5.34
10.8V	178	140	87.1	54.6	34.6	24.7	20.0	17.1	11.7	10.0	5.30

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

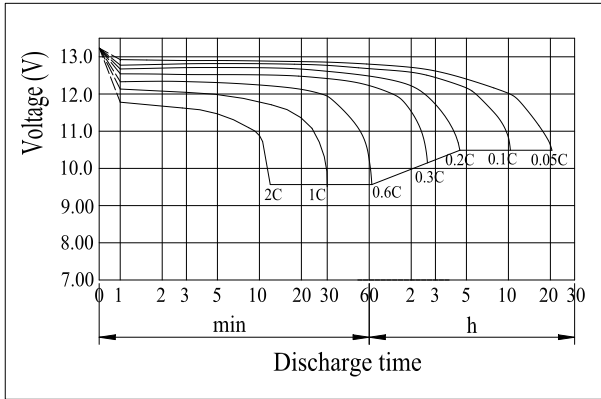
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	2284	1789	1094	683	423	306	247	212	147	122	64.7
9.90V	2215	1746	1072	673	421	304	246	211	146	121	64.6
10.2V	2124	1682	1039	656	417	302	244	209	145	121	64.4
10.5V	2033	1625	1014	642	411	300	242	208	144	120	64.0
10.8V	1918	1539	977	623	400	291	235	202	139	119	63.6

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

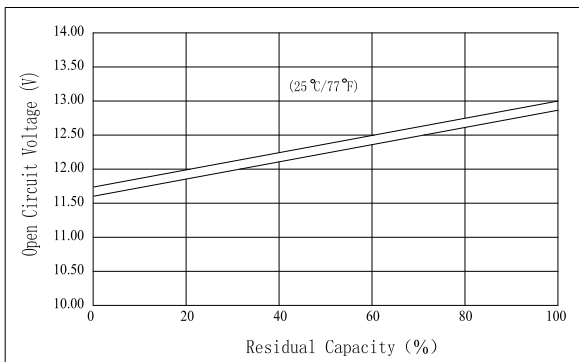
**Construction**

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

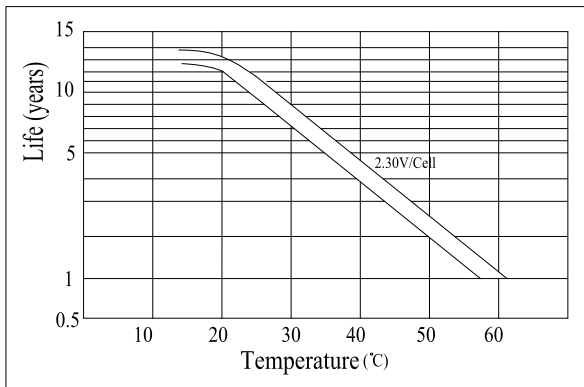
**Discharge Characteristics(25°C)**



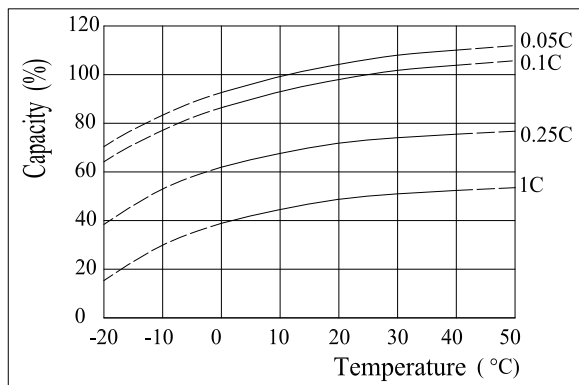
**The Relationship for Open Circuit Voltage and Residual Capacity (25°C)**



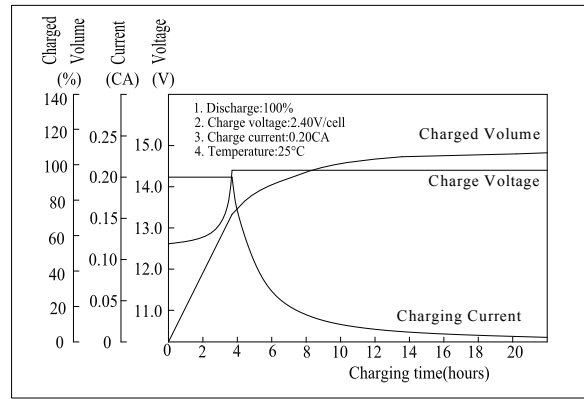
**Floating Life on Temperature**



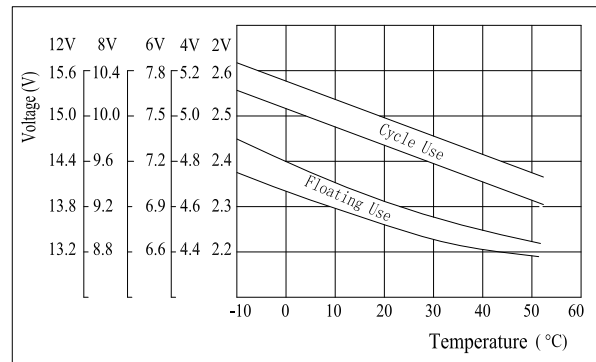
**Effect of Temperature on Capacity**



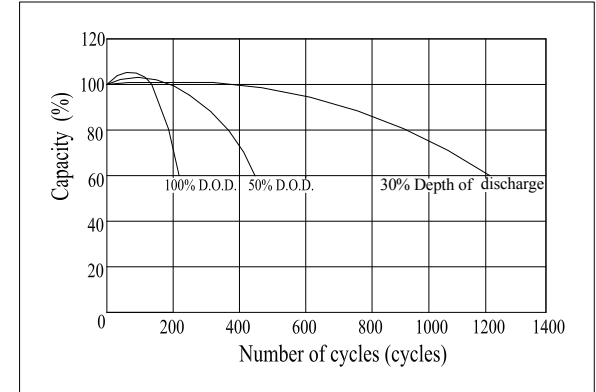
**Charging Characteristics(25°C)**



**The Relationship for Charging Voltage and Temperature**



**Cycle Life on D.O.D(25°C)**



**Self-discharge Characteristics**

