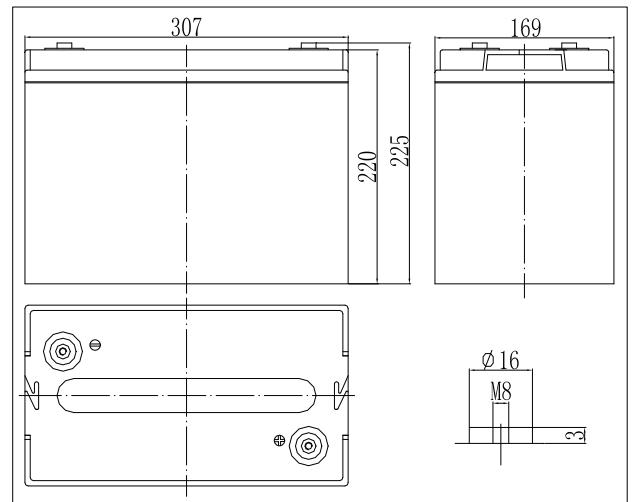
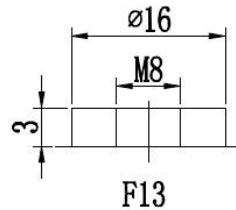


**Specifications**

Nominal Voltage		6 V
Capacity (25°C)	10HR(5.40V)	180 Ah
	5HR(5.25V)	158Ah
	1HR(4.80V)	111Ah
Dimension	Length	307±2mm (12.09inch)
	Width	169±2mm (6.65inch)
	Height	220±2mm (8.66inch)
	Total Height	225±2mm (8.86inch)
Approx. Weight		27kg (59.5lbs)±4%
Terminal type		F13
Internal resistance (Fully charged, 25°C)		Approx. 2.2mΩ
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)		6.75 to 6.90V Temperature compensation: -9mV/°C
Cyclic charging voltage(25°C)		7.25 to 7.50V Temperature compensation: -15mV/°C
Maximum charging current		54A
Maximum discharge current		1400A(5 sec.)
Designed floating life(20°C)		10 years

**Dimensions**

**Terminal**

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

F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
4.80V	392	302	181	111	65.8	46.8	37.8	32.3	22.2	18.3	9.71
4.95V	381	295	177	110	65.4	46.5	37.6	32.1	22.1	18.3	9.69
5.10V	365	284	172	107	64.8	46.2	37.3	31.9	21.9	18.2	9.66
5.25V	349	275	168	105	63.8	45.9	37.1	31.7	21.8	18.1	9.61
5.40V	330	260	162	101	62.2	44.5	36.0	30.7	21.1	18.0	9.54

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

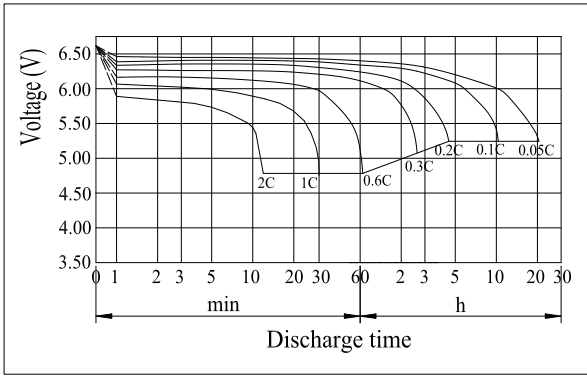
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
4.80V	2119	1660	1015	634	381	275	222	191	132	109	58.3
4.95V	2055	1620	995	625	379	274	221	190	131	109	58.2
5.10V	1971	1561	964	609	375	272	220	189	130	109	58.0
5.25V	1886	1507	941	596	370	270	218	187	129	108	57.6
5.40V	1780	1428	906	578	360	262	211	182	125	107	57.2

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

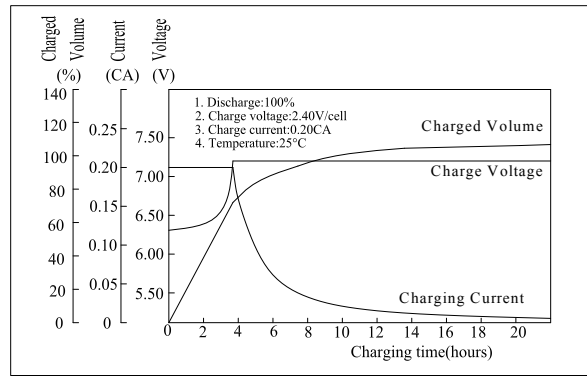
**Construction**

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

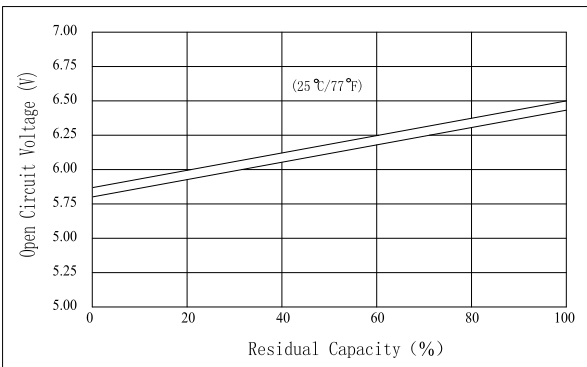
**Discharge Characteristics(25°C)**



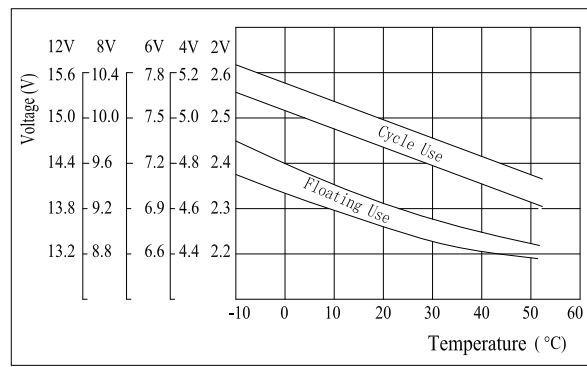
**Charging Characteristics(25°C)**



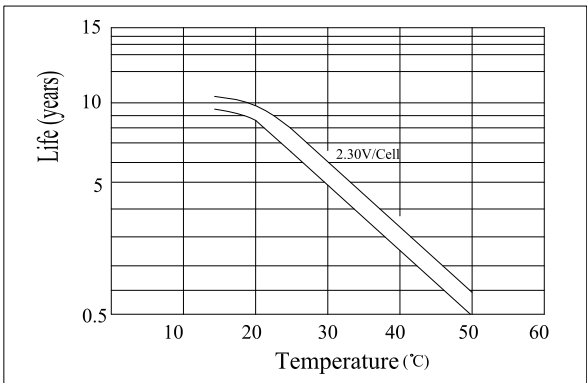
**The Relationship for Open Circuit Voltage and Residual Capacity (25°C)**



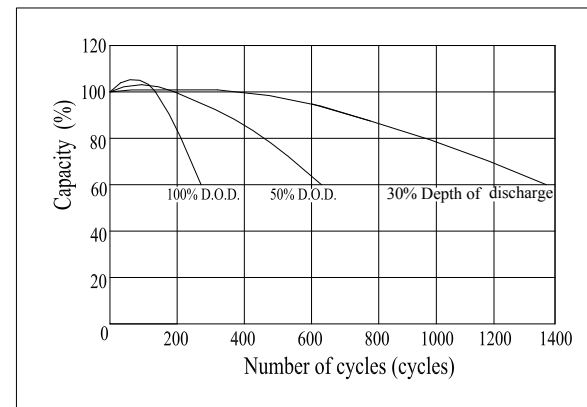
**The Relationship for Charging Voltage and Temperature**



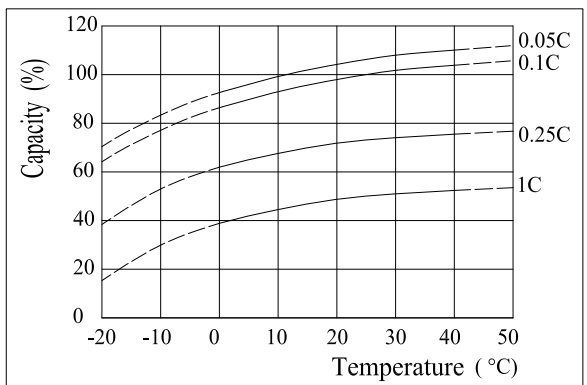
**Floating Life on Temperature**



**Cycle Life on D.O.D(25°C)**



**Effect of Temperature on Capacity**



**Self-discharge Characteristics**

