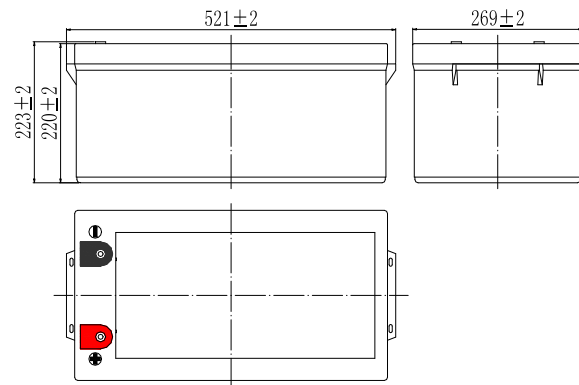


Specifications

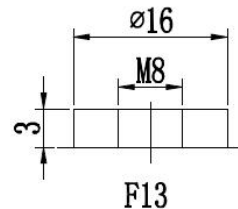
Nominal Voltage		12 V
Capacity (25°C)	10HR(10.8V)	250Ah
	5HR(10.5V)	212.5Ah
	1HR(9.60V)	150Ah
Dimension	Length	521±2mm (20.51inch)
	Width	269±2mm (10.59inch)
	Height	220±2mm (8.66inch)
	Total Height	223±2mm (8.78inch)
Approx. Weight		71.0kg (156.5lbs)±5%
Terminal type		F13
Internal resistance (Fully charged, 25°C)		Approx. 2.6mΩ
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)		13.50 to 13.80V Temperature compensation: -18mV/°C
Cyclic charging voltage(25°C)		14.60 to 14.80V Temperature compensation: -30mV/°C
Maximum charging current		75A
Maximum discharge current		2000A(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	475	395	241	150	91.3	64.5	51.0	43.3	30.5	25.5	13.5
9.90V	460	385	236	148	90.8	64.3	50.8	43.0	30.5	25.5	13.5
10.2V	443	373	229	144	90.0	63.8	50.3	42.8	30.3	25.3	13.5
10.5V	423	358	223	141	88.8	63.3	50.0	42.5	30.0	25.3	13.4
10.8V	400	340	215	137	86.5	61.3	48.5	41.3	29.0	25.0	13.3

Constant Power Discharge Characteristics (Watt, 25°C)

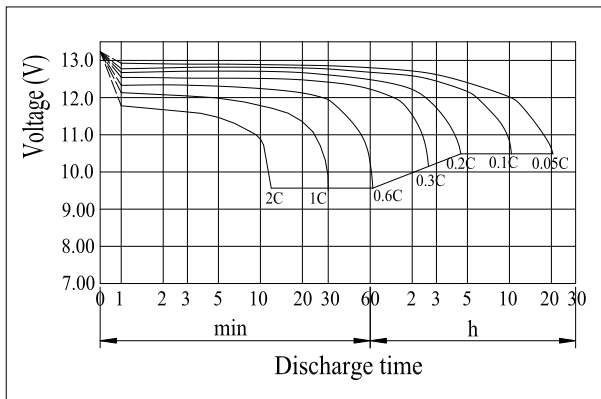
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	5130	4338	2698	1710	1058	758	600	513	363	305	162
9.90V	4975	4233	2645	1685	1053	755	595	510	363	303	162
10.2V	4770	4078	2563	1643	1043	750	593	505	360	303	161
10.5V	4565	3938	2503	1610	1028	745	588	503	358	300	160
10.8V	4310	3730	2410	1560	1000	723	570	488	345	298	159

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

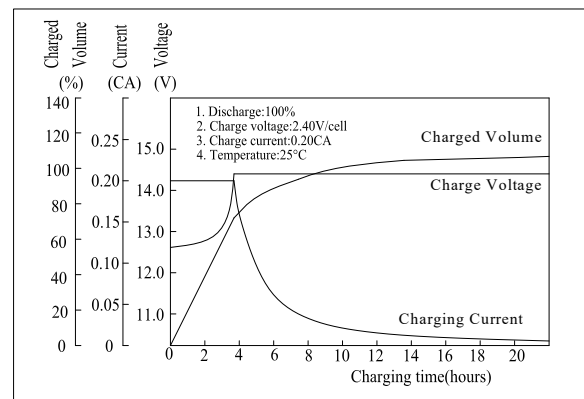
Construction

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

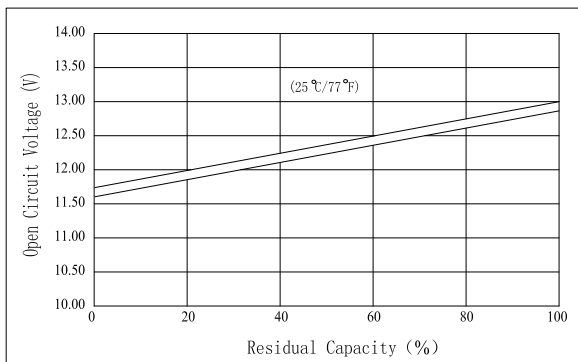
Discharge Characteristics(25°C)



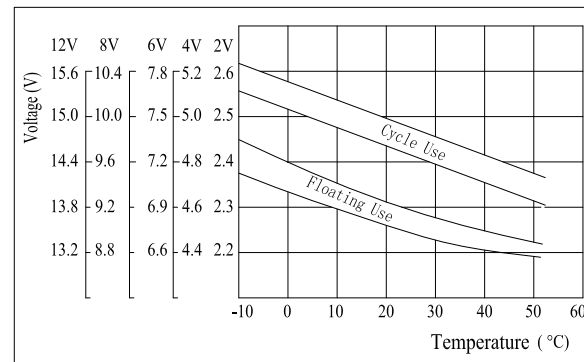
Charging Characteristics(25°C)



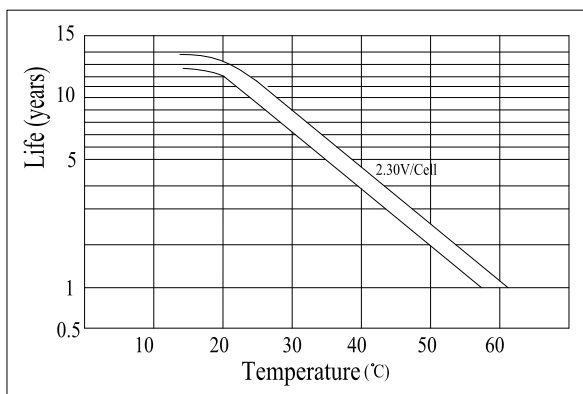
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



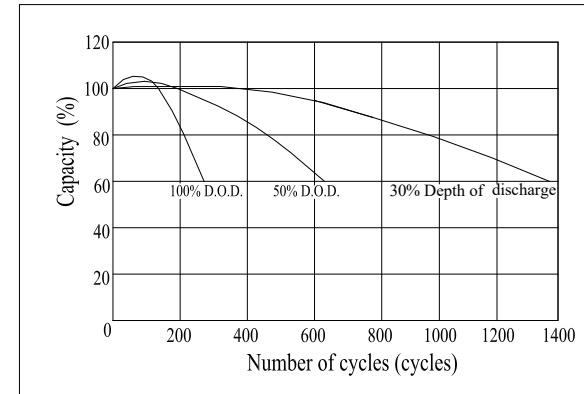
The Relationship for Charging Voltage and Temperature



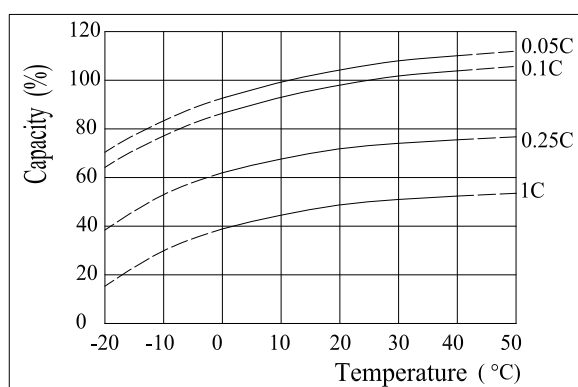
Floating Life on Temperature



Cycle Life on D.O.D(25°C)



Effect of Temperature on Capacity



Self-discharge Characteristics

