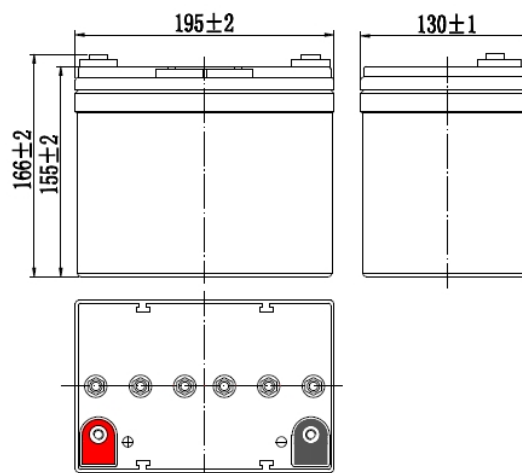
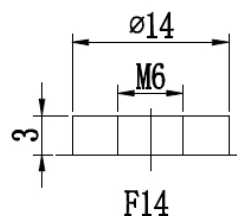


Specifications

Nominal Voltage		12 V
Capacity (25℃)	10HR(10.8V)	35Ah
	2HR(9.60V)	27.3Ah
Dimension	Length	195±2mm (7.68inch)
	Width	130±1mm (5.12inch)
	Height	155±2mm (6.10inch)
	Total Height	166±2mm (6.54inch)
Approx. Weight		10.7kg (23.6lbs)±4%
Terminal type		F14
Internal resistance (Fully charged, 25℃)		Approx. 10mΩ
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℃)		13.60 to 13.80V Temperature compensation: -18mV/℃
Cyclic charging voltage(25℃)		14.50 to 15.00V Temperature compensation: -30mV/℃
Maximum charging current		10.5A
Maximum discharge current		350A(5 sec.)
Designed floating life(20℃)		10 years


Dimensions

Terminal

Constant Current Discharge Characteristics (A, 25℃)

F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	76.7	58.9	37.2	21.7	12.9	9.13	7.40	6.32	4.33	3.57	1.90
9.90V	74.0	57.8	34.6	21.3	12.7	9.07	7.34	6.26	4.31	3.56	1.89
10.2V	71.3	55.6	33.5	20.8	12.6	9.02	7.29	6.21	4.28	3.55	1.88
10.5V	68.0	53.6	32.7	20.4	12.4	8.96	7.24	6.16	4.25	3.54	1.87
10.8V	64.3	50.7	31.5	19.8	12.2	8.69	7.02	5.99	4.12	3.51	1.86

Constant Power Discharge Characteristics (Watt, 25℃)

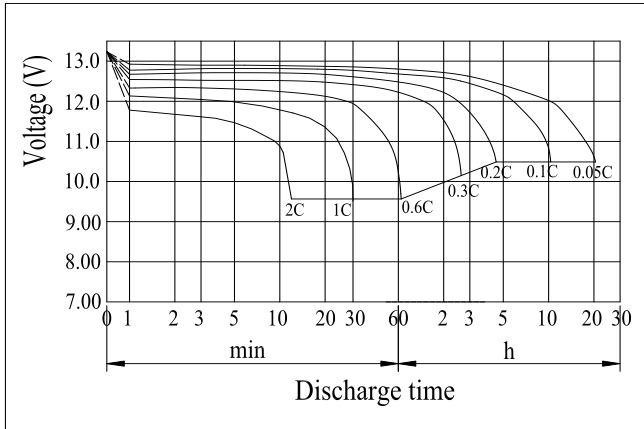
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	826	647	418	247	148	107.5	86.9	74.5	51.46	42.66	22.73
9.90V	801	632	388	244	147	106.9	86.4	74.0	51.13	42.61	22.68
10.2V	768	609	376	238	146	105.8	85.8	73.4	50.81	42.44	22.63
10.5V	735	588	367	232	144	105.3	84.8	72.9	50.44	42.22	22.46
10.8V	694	557	354	225	140	102.1	82.6	70.7	48.92	41.90	22.30

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

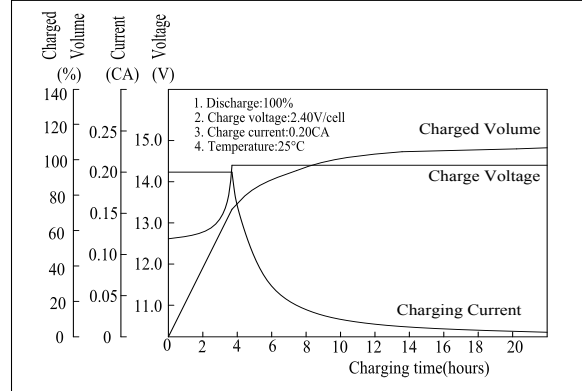
Construction

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

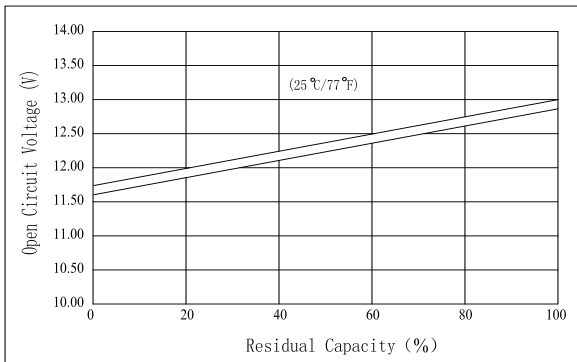
Discharge Characteristics(25°C)



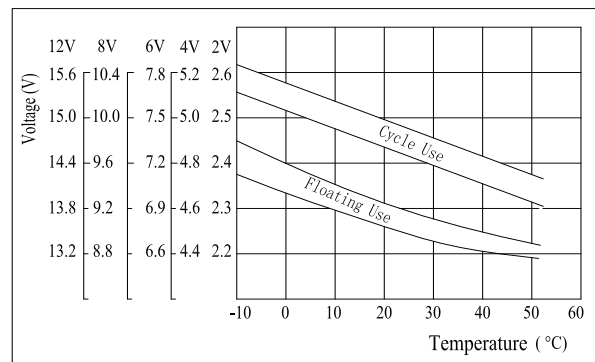
Charging Characteristics(25°C)



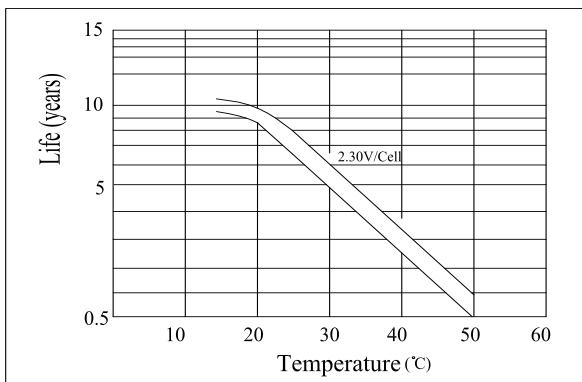
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



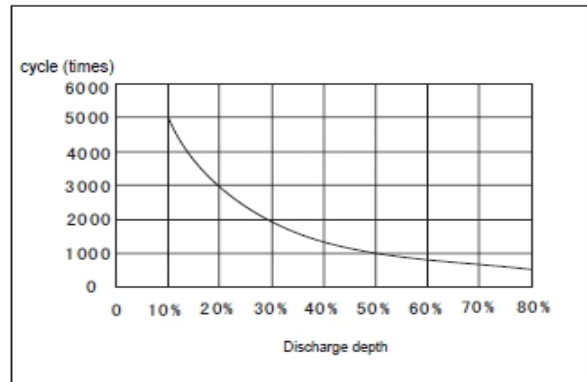
The Relationship for Charging Voltage and Temperature



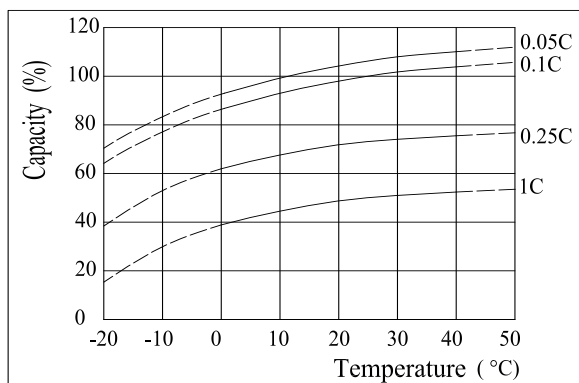
Floating Life on Temperature



Cycle Life on D.O.D(25°C)



Effect of Temperature on Capacity



Self-discharge Characteristics

