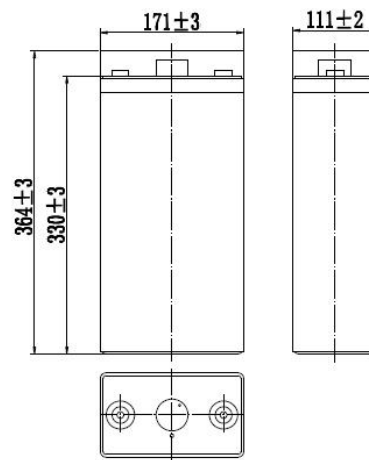
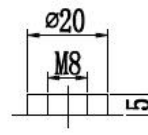


Specifications

Nominal Voltage		2 V
Capacity (25°C)	10HR(1.80V)	200Ah
	3HR(1.75V)	150Ah
	1HR(1.75V)	110Ah
Dimension	Length	171 ± 3mm (6.72inch)
	Width	111 ± 2mm (4.37inch)
	Height	330 ± 3mm (12.99inch)
	Total Height	364 ± 3mm (14.33inch)
Approx. Weight		12.8kg (28.22lbs) ± 4%
Terminal type		F12
Internal resistance (Fully charged, 25°C)		Approx. 0.9m 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)		2.25 to 2.30V Temperature compensation: -3mV/°C
Cyclic charging voltage(25°C)		2.43 to 2.47V Temperature compensation: -5mV/°C
Maximum charging current		40A
Maximum discharge current		1400A(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	250	174	118	72.0	51.2	41.2	34.3	30.2	24.1	20.4	10.7
1.65V	244	170	116	71.6	50.8	40.8	34.1	30.0	23.9	20.3	10.7
1.70V	235	165	113	71.2	50.4	40.8	33.8	29.8	23.8	20.3	10.6
1.75V	227	161	111	70.0	50.0	40.4	33.6	29.6	23.6	20.2	10.6
1.80V	215	155	108	68.0	48.4	39.2	32.6	28.7	22.9	20.0	10.5

Constant Power Discharge Characteristics (Watt, 25°C)

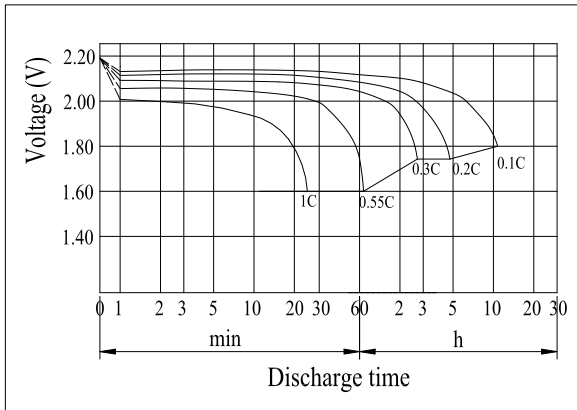
F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	458	325	224	139	100	80.8	67.6	59.6	48.0	40.4	21.4
1.65V	446	319	221	138	99.2	80.4	67.2	59.2	47.6	40.4	21.3
1.70V	430	309	215	137	98.8	79.6	66.8	58.8	47.2	40.4	21.3
1.75V	416	302	211	135	98.0	79.2	66.0	58.4	46.8	40.0	21.2
1.80V	394	290	204	132	95.2	76.8	64.4	56.4	45.6	40.0	21.0

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

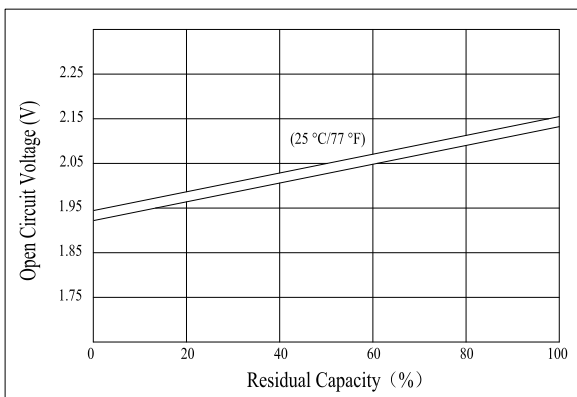
Construction

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

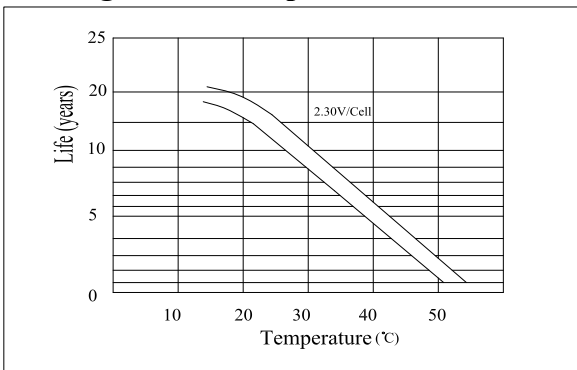
Discharge Characteristics(25°C)



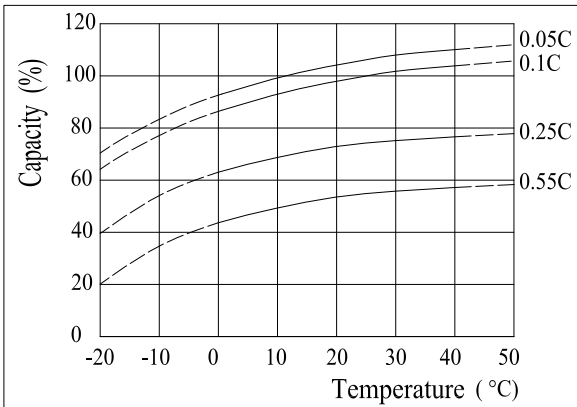
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



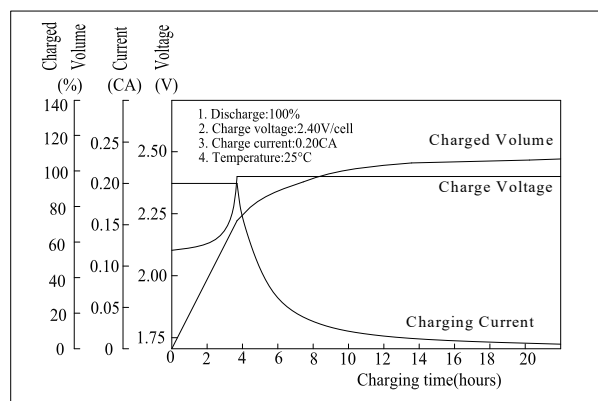
Floating Life on Temperature



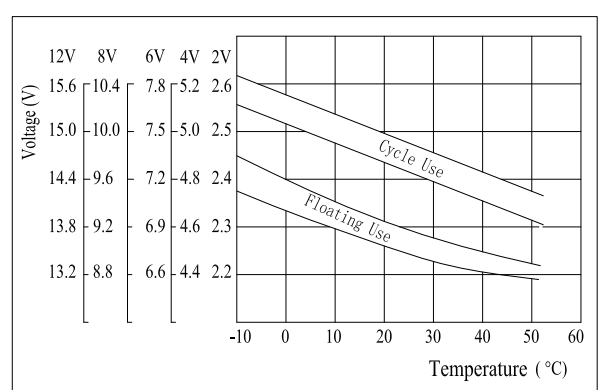
Effect of Temperature on Capacity



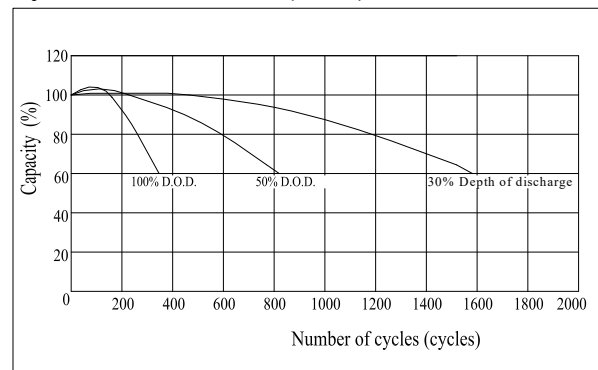
Charging Characteristics(25°C)



The Relationship for Charging Voltage and Temperature



Cycle Life on D.O.D(25°C)



Self-discharge Characteristics

