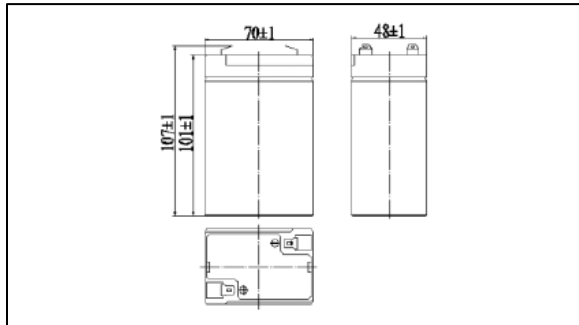


Specifications

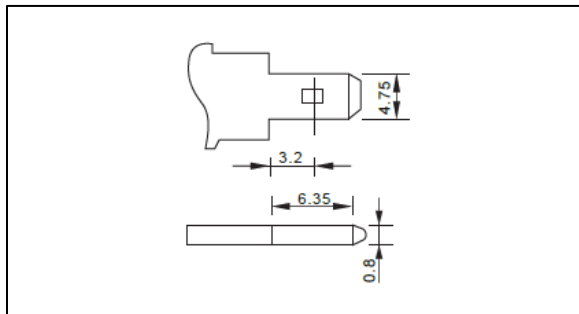
Nominal Voltage	6V
Rated Capacity (20-hour rate)	6Ah
Dimensions	
Length	70±1mm (2.76inch)
Width	48±1mm (1.89inch)
Height	101±1mm (3.98inch)
Total Height	107±1mm (4.21inch)
Approximate Weight	1.0kg (2.20lbs)±5%



Outer Dimensions



Terminal Type



Characteristics

Capacity (25°C)	
20HR (3.50V)	6Ah
10HR (3.50V)	5.6Ah
1HR (3.20V)	3.6Ah
Terminal Type	F1
Internal Resistance	Approx. 15m Ω
Capacity affected by temperature (20HR)	
40°C	102%
25°C	100%
0°C	85%
-15°C	65%
Self-Discharge (25°C)	
3 months	Remaining Capacity: 91%
6 months	Remaining Capacity: 82%
12 months	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	1.8A
Maximum discharge current	90A (5 sec.)
Designed Floating Life (20°C)	5 years

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

Constant Current Discharge Characteristics

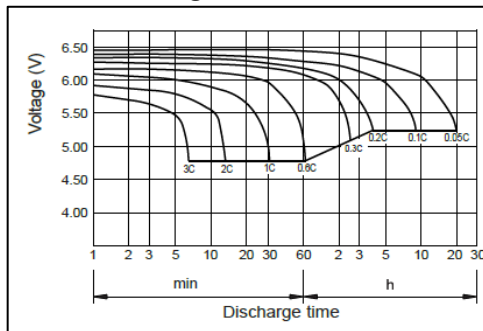
F.V/Time	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
4.80V	22.9	14.5	11.3	6.39	3.93	2.15	1.48	1.23	1.04	0.56	0.30
4.95V	22.2	14.0	11.1	6.26	3.87	2.15	1.47	1.22	1.04	0.56	0.30
5.10V	21.4	13.6	10.7	6.07	3.76	2.14	1.46	1.21	1.03	0.56	0.30
5.25V	20.4	13.0	10.3	5.92	3.69	2.08	1.46	1.21	1.03	0.56	0.30
5.40V	19.2	12.2	9.75	5.71	3.58	2.03	1.41	1.16	0.99	0.55	0.30

Constant Power Discharge Characteristics

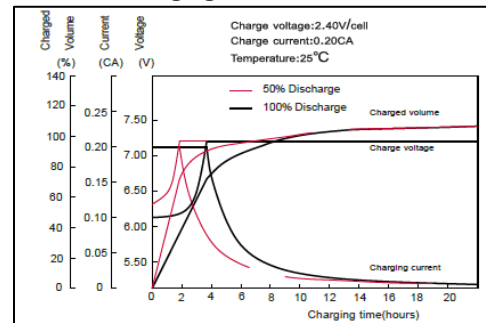
F.V/Time	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
4.80V	128	81.8	64.7	36.6	22.8	12.6	8.83	7.32	6.25	3.41	1.83
4.95V	124	79.4	63.1	35.9	22.4	12.5	8.78	7.28	6.22	3.40	1.83
5.10V	119	76.2	60.7	34.8	21.8	12.4	8.72	7.24	6.17	3.39	1.82
5.25V	114	72.8	58.7	34.0	21.4	12.2	8.66	7.18	6.12	3.36	1.81
5.40V	107	68.8	55.6	32.6	20.76	11.9	8.40	6.97	5.94	3.29	1.77

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

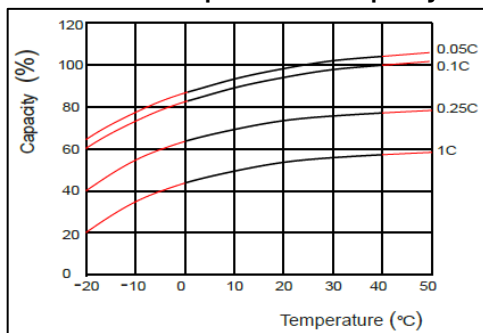
Discharge Characteristics



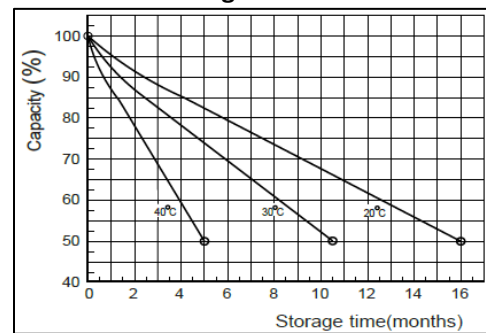
Charging Characteristics



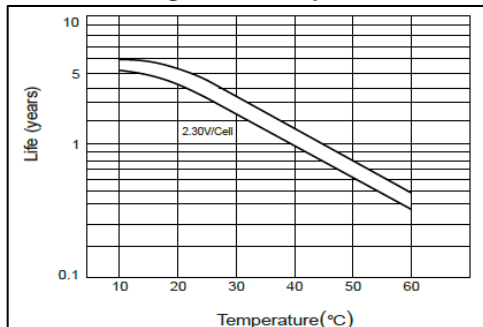
Effect of Temperature on Capacity



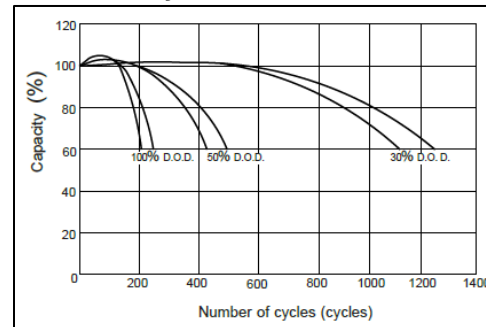
Self-discharge Characteristics



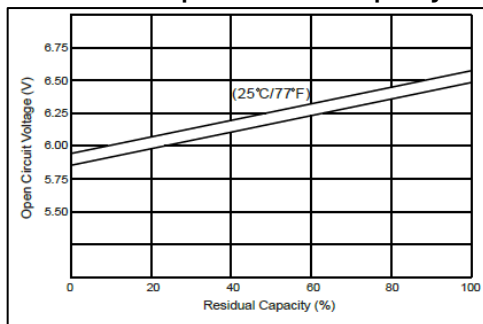
Floating Life on Temperature



Cycle Life on D.O.D



Relationship for OCV and Capacity



Relationship for Charging voltage and Temperature

