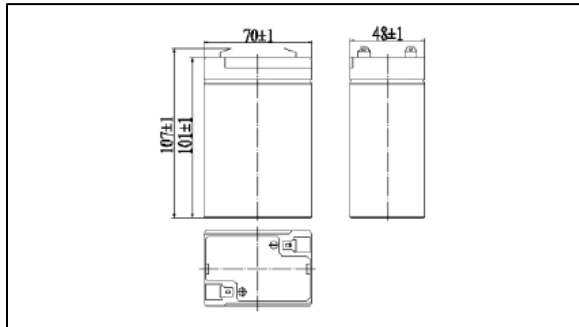


Specifications

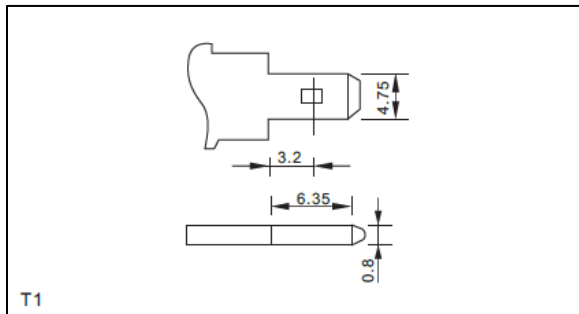
Nominal Voltage	6V
Rated Capacity (20-hour rate)	4.5Ah
Dimensions	
Length	70±1mm (2.76inch)
Width	48±1mm (1.89inch)
Height	101±1mm (3.98inch)
Total Height	107±1mm (4.21inch)
Approximate Weight	0.8kg (1.76lbs)±5%



Outer Dimensions



Terminal Type



Characteristics

Capacity (25°C)	
20HR (3.50V)	4.5Ah
10HR (3.50V)	4.2Ah
1HR (3.20V)	2.7Ah
Terminal Type	F1
Internal Resistance	Approx. 18m 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	1.35A
Maximum discharge current	68A (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

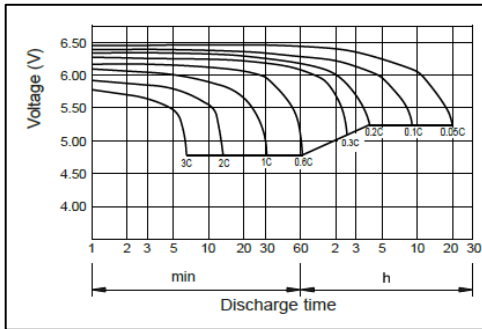
FV/Time	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
4.80V	17.2	10.9	8.51	4.79	2.95	1.61	1.12	0.92	0.78	0.43	0.23
4.95V	16.7	10.6	8.30	4.70	2.90	1.60	1.11	0.92	0.78	0.42	0.23
5.10V	16.0	10.1	7.99	4.55	2.83	1.59	1.10	0.91	0.77	0.42	0.23
5.25V	15.3	9.69	7.72	4.44	2.77	1.56	1.09	0.90	0.77	0.42	0.23
5.40V	14.4	9.15	7.31	4.28	2.69	1.52	1.06	0.88	0.75	0.41	0.22

Constant Power Discharge Characteristics

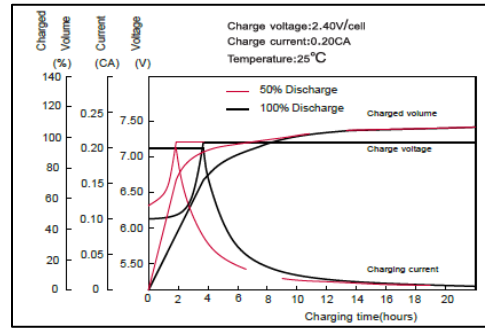
FV/Time	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
4.80V	95.9	61.4	48.5	27.5	17.1	9.43	6.63	5.49	4.69	2.56	1.37
4.95V	93.0	59.4	47.3	26.9	16.8	9.38	6.59	5.46	4.66	2.55	1.36
5.10V	89.2	57.1	45.6	26.1	16.4	9.29	6.54	5.42	4.63	2.53	1.36
5.25V	85.4	54.7	44.0	25.5	16.1	9.15	6.50	5.39	4.59	2.52	1.35
5.40V	80.6	51.6	41.7	24.5	15.6	8.92	6.30	5.22	4.46	2.47	1.32

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

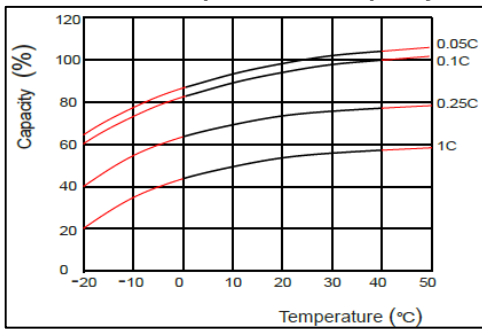
Discharge Characteristics



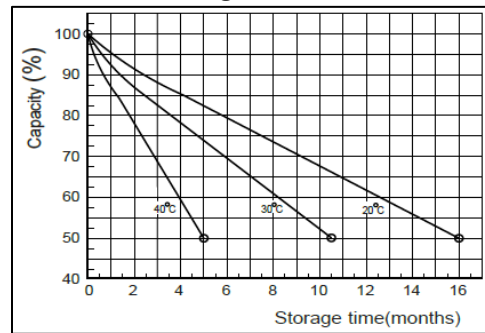
Charging Characteristics



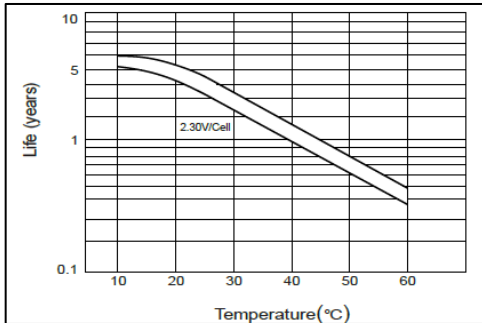
Effect of Temperature on Capacity



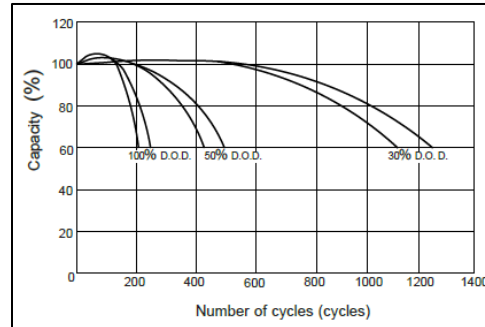
Self-discharge Characteristics



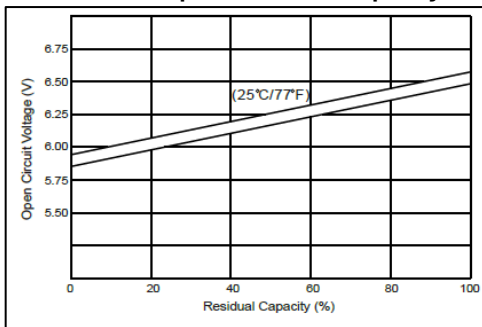
Floating Life on Temperature



Cycle Life on D.O.D



Relationship for OCV and Capacity



Relationship for Charging voltage and Temperature

