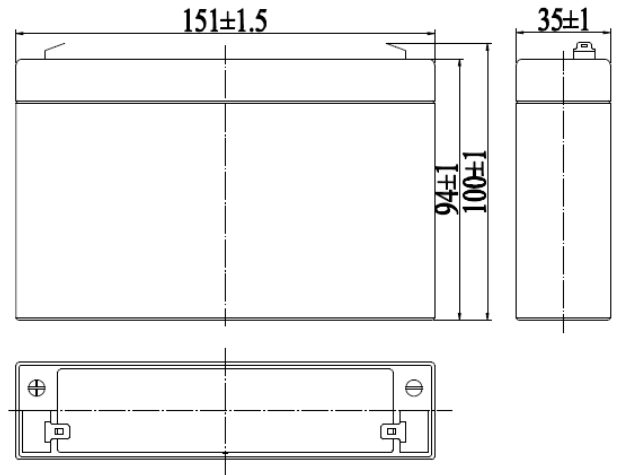
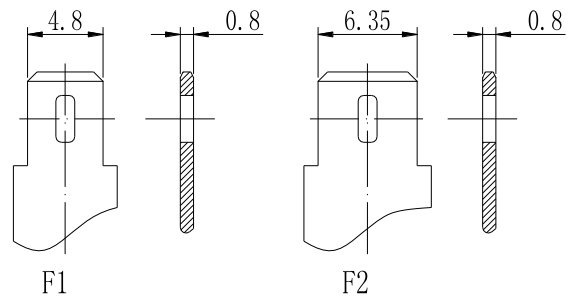


Specifications

Nominal Voltage		6 V
Capacity (25°C)	20HR(5.25V)	7.5Ah
	10HR(5.25V)	7Ah
	1HR(4.80V)	4.9Ah
Dimension	Length	151 ± 1.5mm (5.94inch)
	Width	35 ± 1mm (1.38inch)
	Height	94 ± 1mm (3.70inch)
	Total Height	100 ± 1mm (3.94inch)
Approx. Weight		1.18kg (2.6lbs) ± 5%
Terminal type		F1/F2
Internal resistance (Fully charged, 25°C)		Approx. 14mΩ
Capacity affected by temperature (20HR)	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)		6.80 to 6.90V Temperature compensation: -9mV/°C
Cyclic charging voltage(25°C)		7.25 to 7.50V Temperature compensation: -15mV/°C
Maximum charging current		2.25A
Maximum discharge current		112.5A(5 sec.)
Designed floating life(20°C)		5 years


Dimensions

Terminal

Constant Current Discharge Characteristics (A, 25°C)

F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
4.80V	28.7	18.2	14.2	7.99	4.91	2.69	1.86	1.54	1.31	0.71	0.381
4.95V	27.8	17.6	13.8	7.83	4.84	2.67	1.85	1.53	1.30	0.71	0.379
5.10V	26.6	16.9	13.3	7.59	4.72	2.65	1.84	1.52	1.29	0.70	0.377
5.25V	25.5	16.2	12.9	7.40	4.62	2.61	1.82	1.51	1.28	0.70	0.375
5.40V	24.1	15.2	12.2	7.13	4.48	2.54	1.77	1.46	1.24	0.69	0.368

Constant Power Discharge Characteristics (Watt, 25°C)

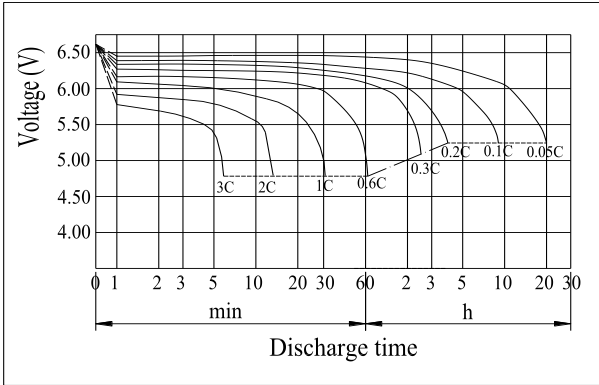
F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
4.80V	160	102	80.8	45.8	28.4	15.7	11.0	9.16	7.81	4.26	2.28
4.95V	155	99.3	78.9	44.9	28.0	15.6	11.0	9.10	7.76	4.24	2.27
5.10V	149	95.2	75.9	43.5	27.3	15.5	10.9	9.04	7.71	4.22	2.26
5.25V	142	91.1	73.4	42.4	26.8	15.3	10.8	8.98	7.66	4.20	2.25
5.40V	134	86.0	69.5	40.9	25.9	14.9	10.5	8.71	7.43	4.11	2.21

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

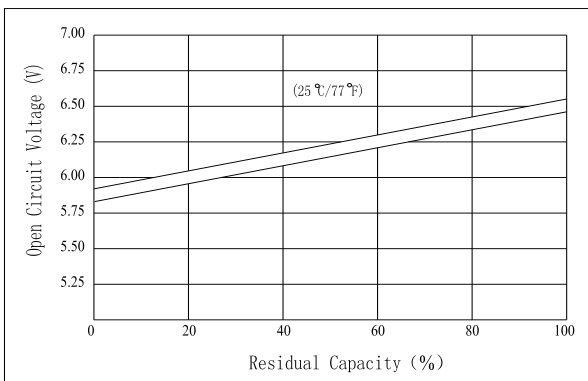
Construction

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

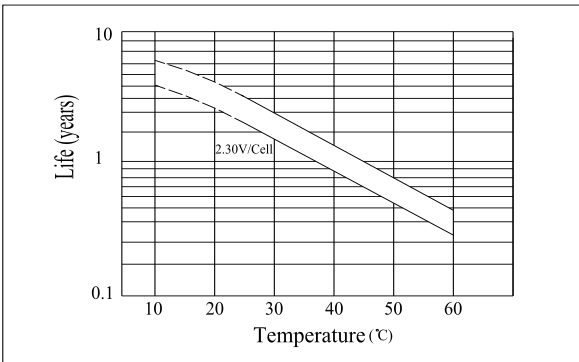
Discharge Characteristics(25°C)



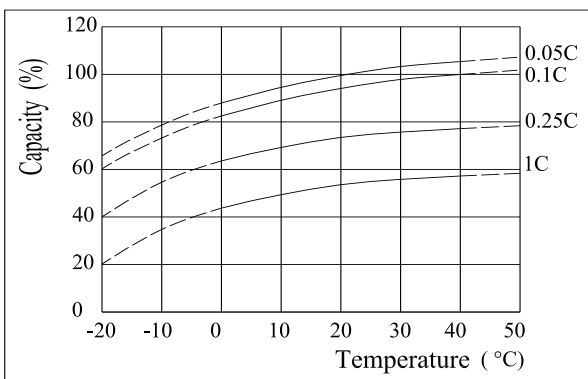
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



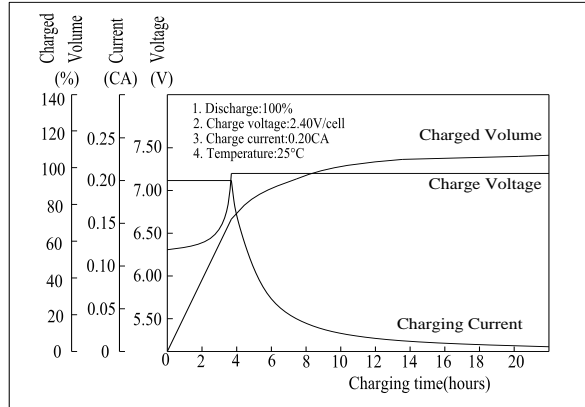
Floating Life on Temperature



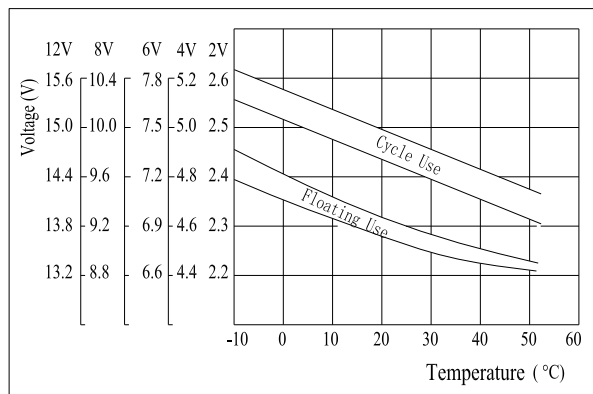
Effect of Temperature on Capacity



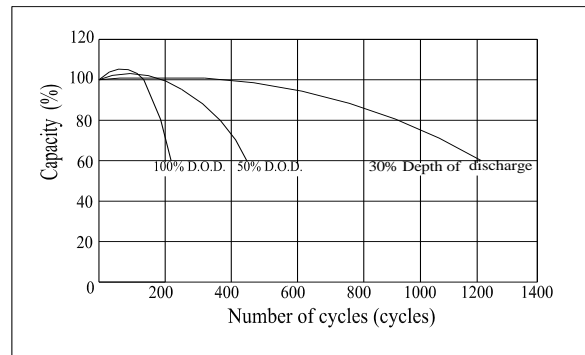
Charging Characteristics(25°C)



The Relationship for Charging Voltage and Temperature



Cycle Life on D.O.D(25°C)



Self-discharge Characteristics

