

Specifications

Nominal Voltage		12 V
Capacity (25°C)	20HR(10.8V)	17.5Ah
	10HR(10.8V)	17Ah
	1HR(9.60V)	11.1Ah
Dimension	Length	181 ± 2mm (7.13inch)
	Width	77 ± 1mm (3.03inch)
	Height	167 ± 2mm (6.57inch)
	Total Height	167 ± 2mm (6.57inch)
Approx. Weight		5.25kg (11.6lbs) ± 4%
Terminal type		T3/T8
Internal resistance (Fully charged, 25°C)		Approx. 16mΩ
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)		13.60 to 13.80V Temperature compensation: -18mV/°C
Cyclic charging voltage(25°C)		14.50 to 14.90V Temperature compensation: -30mV/°C
Maximum charging current		5.1A
Terminal material		Copper
Maximum discharge current		255A(5 sec.)
Designed floating life(20°C)		10 years

- ◆ Absorbent glass mat technology;
- ◆ Recognized by UL & CE;
- ◆ ABS container.

Constant Current Discharge Characteristics (A, 25°C)

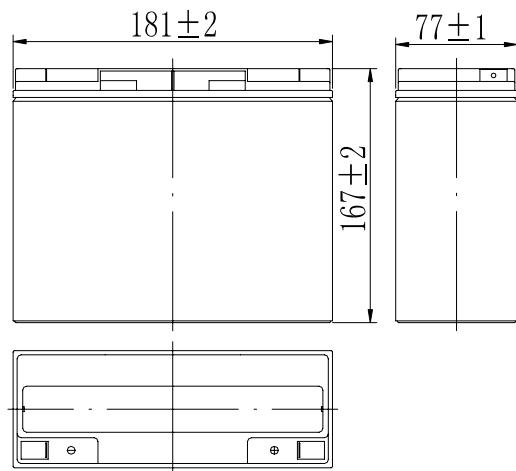
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	39.6	31.7	17.7	11.1	6.04	4.34	3.47	2.95	1.91	1.75	0.91
9.90V	38.4	30.9	17.3	10.9	6.00	4.31	3.45	2.93	1.90	1.74	0.91
10.2V	36.8	29.8	16.8	10.6	5.95	4.28	3.42	2.91	1.88	1.73	0.91
10.5V	35.2	28.7	16.4	10.4	5.86	4.25	3.40	2.89	1.87	1.72	0.90
10.8V	33.2	27.2	15.8	10.1	5.71	4.12	3.30	2.80	1.81	1.70	0.88

Constant Power Discharge Characteristics (Watt, 25°C)

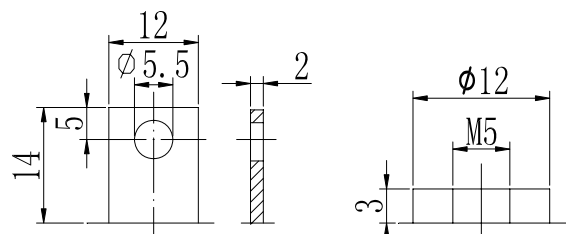
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	446	361	202	128	70.7	51.5	41.3	35.2	22.9	21.0	11.0
9.90V	433	352	198	126	70.2	51.2	41.1	35.0	22.8	20.9	10.9
10.2V	415	339	192	123	69.6	50.8	40.8	34.7	22.6	20.8	10.9
10.5V	397	328	188	120	68.6	50.5	40.5	34.5	22.4	20.6	10.8
10.8V	375	310	181	117	66.8	49.0	39.3	33.5	21.8	20.2	10.6

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

Dimensions



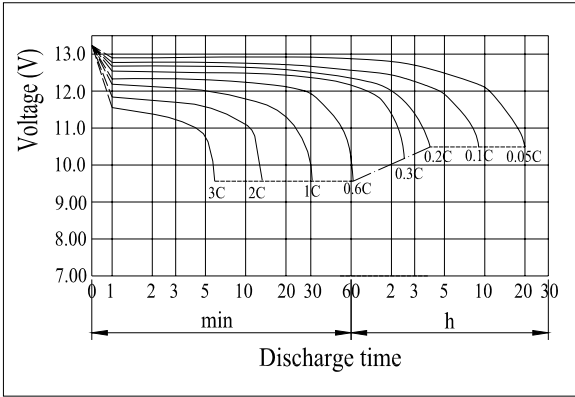
Terminal



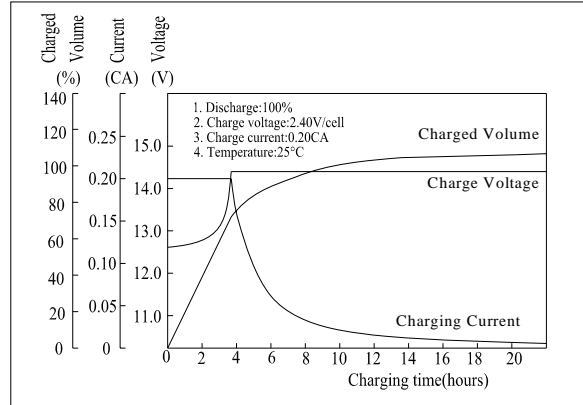
Terminal T3

Terminal T8

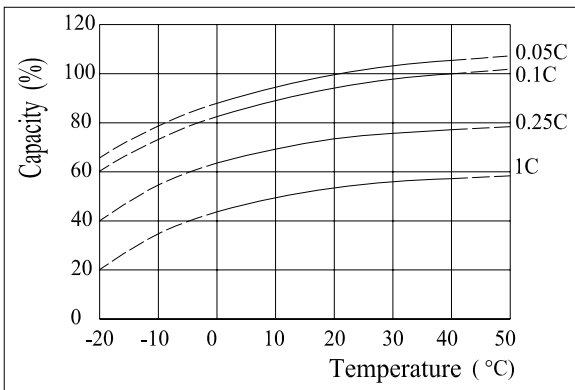
Discharge Characteristics(25°C)



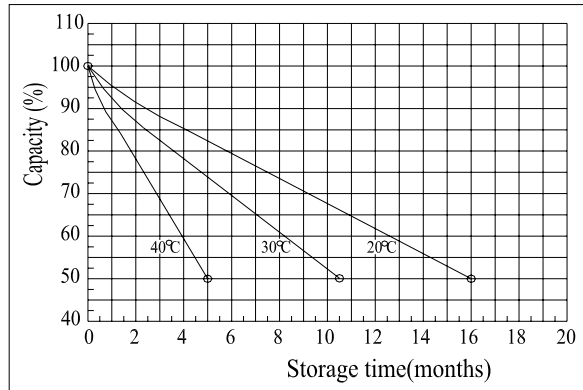
Charging Characteristics(25°C)



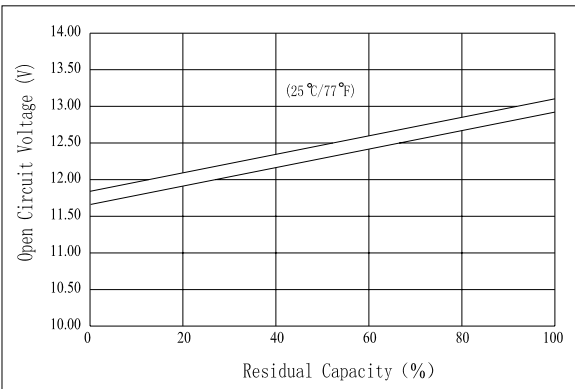
Effect of Temperature on Capacity



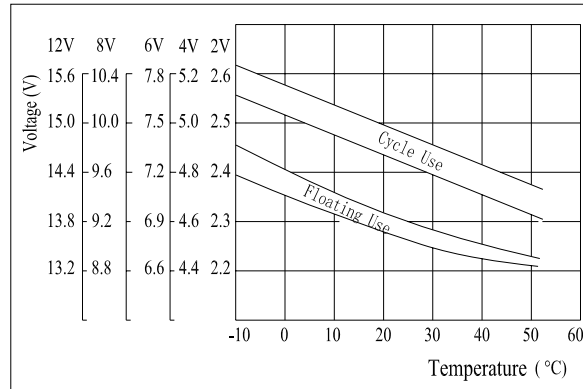
Self-discharge Characteristics



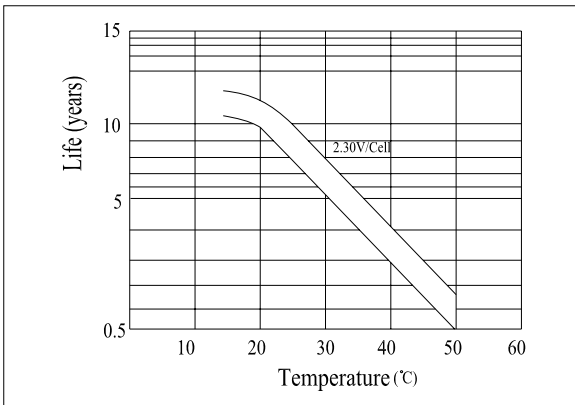
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

