

Specifications

Nominal Voltage		12 V
Capacity (25°C)	20HR(10.5V)	28 Ah
	10HR(10.5V)	26Ah
	1HR(9.60V)	17.7Ah
Dimension	Length	166 ± 2mm (6.54inch)
	Width	175 ± 2mm (6.89inch)
	Height	125 ± 2mm (4.92inch)
	Total Height	125 ± 2mm (4.92inch)
Approx. Weight		8.6kg (19.0lbs) ± 4%
Terminal type		T3/T8
Internal resistance (Fully charged, 25°C)		Approx. 10mΩ
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		8.4A
Terminal material		Copper
Maximum discharge current		420A(5 sec.)
Designed floating life(20°C)		3~5 years

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

Constant Current Discharge Characteristics (A, 25°C)

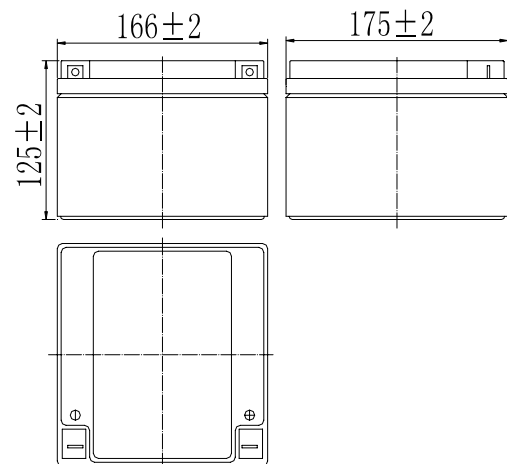
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	66.1	51.8	28.9	17.7	9.95	7.14	5.71	4.86	3.14	2.64	1.42
9.90V	64.1	50.6	28.3	17.5	9.89	7.10	5.68	4.83	3.12	2.63	1.42
10.2V	61.5	48.7	27.5	17.0	9.80	7.05	5.64	4.79	3.10	2.62	1.41
10.5V	58.8	47.0	26.8	16.7	9.65	7.00	5.60	4.76	3.08	2.60	1.40
10.8V	55.5	44.6	25.8	16.2	9.41	6.79	5.43	4.62	2.99	2.55	1.37

Constant Power Discharge Characteristics (Watt, 25°C)

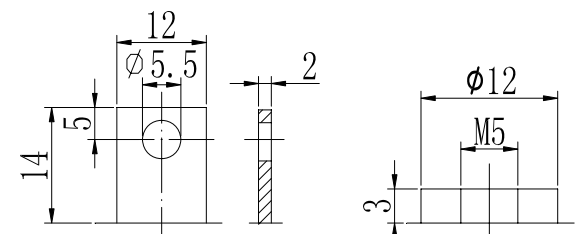
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	746	591	331	205	116	84.8	68.0	58.0	37.7	31.7	17.1
9.90V	723	576	325	202	116	84.3	67.6	57.6	37.5	31.6	17.0
10.2V	693	555	315	197	115	83.7	67.2	57.2	37.2	31.4	16.9
10.5V	664	536	307	193	113	83.2	66.7	56.8	37.0	31.2	16.8
10.8V	626	508	296	187	110	80.7	64.7	55.1	35.9	30.6	16.5

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

Dimensions



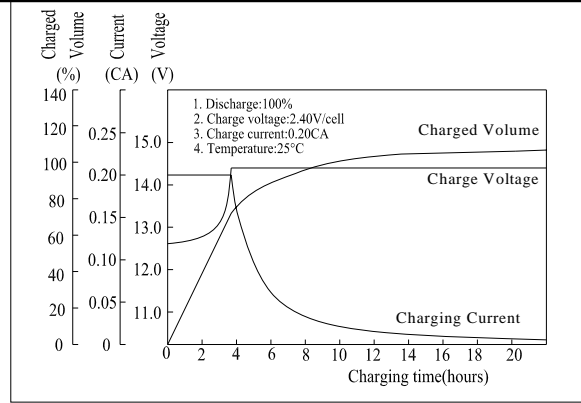
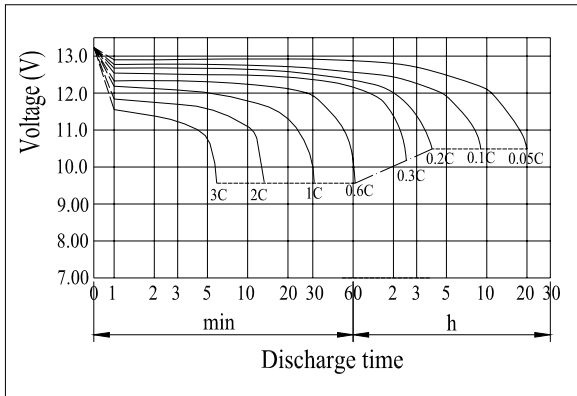
Terminal



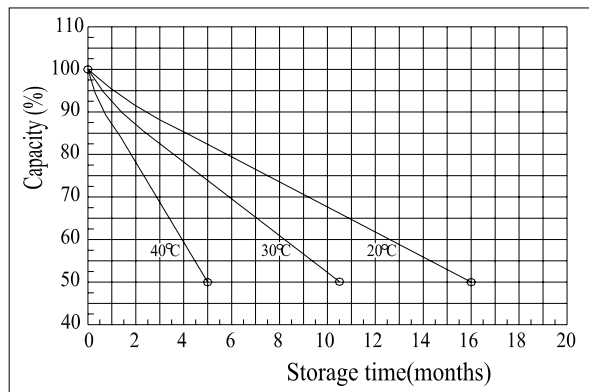
Terminal T3

Terminal T8

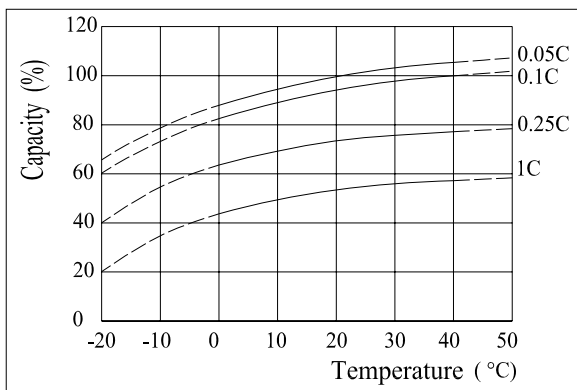
Discharge Characteristics(25°C)



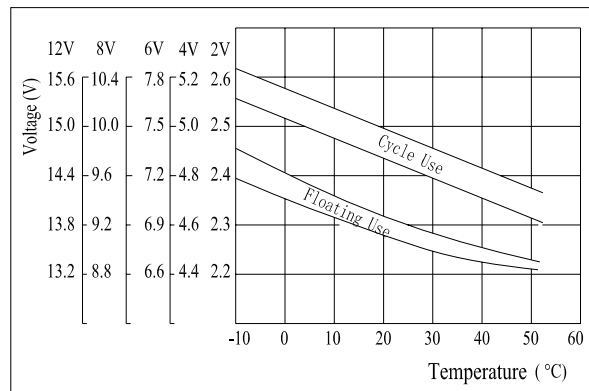
Self-discharge Characteristics



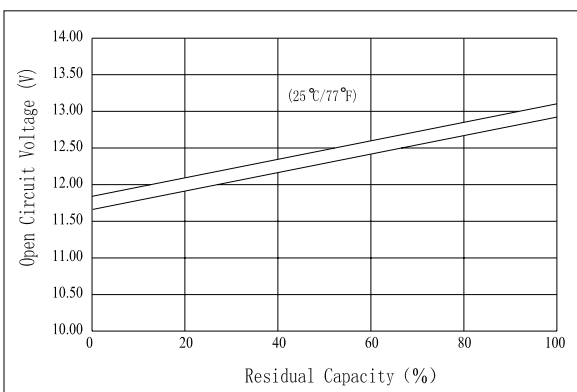
Effect of Temperature on Capacity



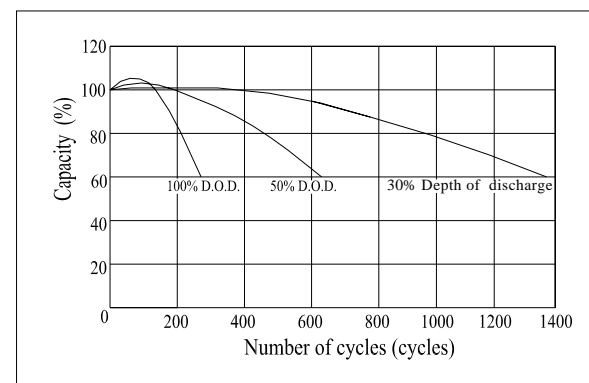
The Relationship for Charging Voltage and Temperature



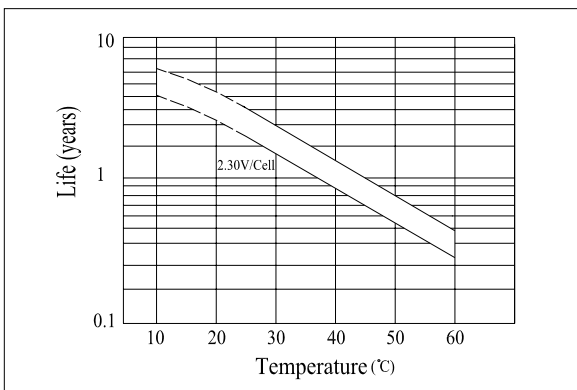
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



Cycle Life on D.O.D(25°C)



Floating Life on Temperature



Charging Characteristics(25°C)