

12V

26AH

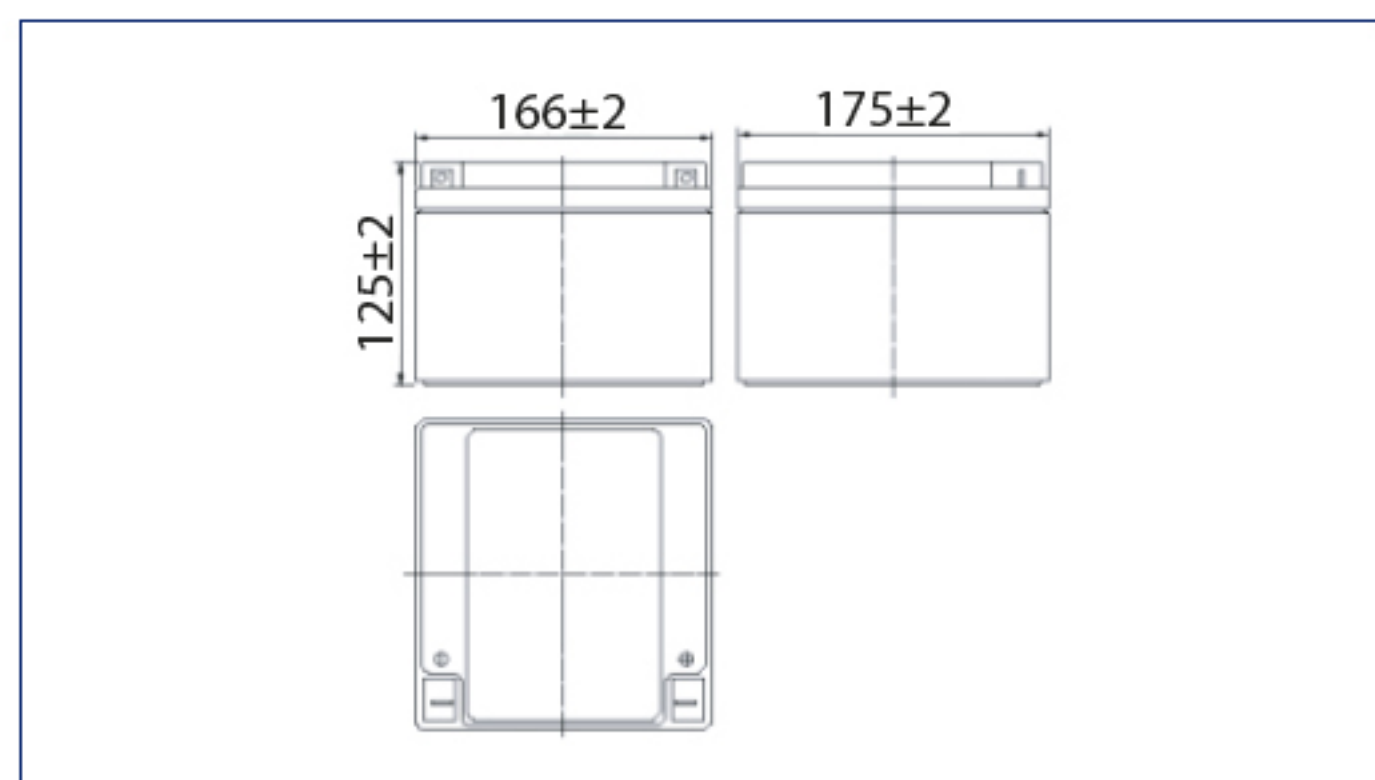


viotech
battery

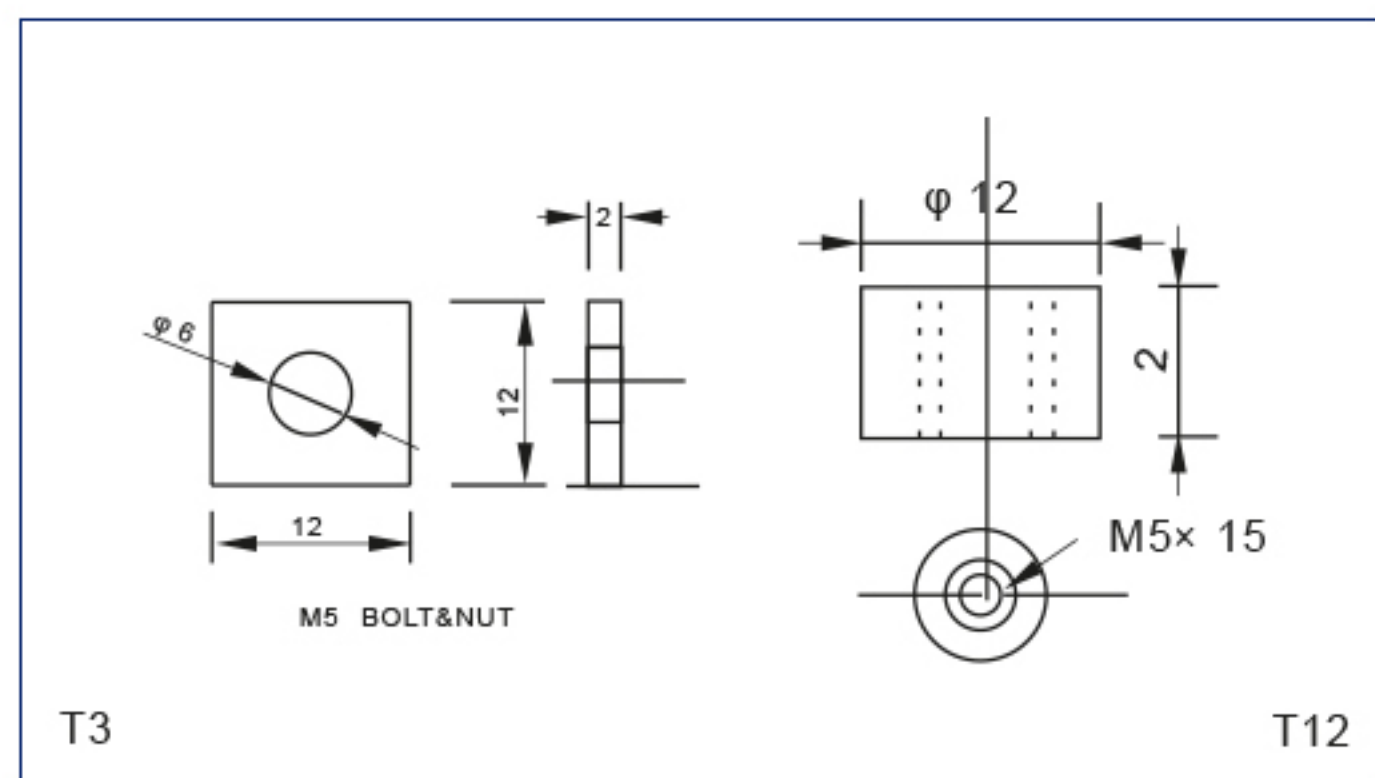
SPECIFICATIONS

Nominal Voltage		12V
Rated capacity (20 hour rate)		26Ah
Dimensions	Length	166±2mm(6.54inch)
	Width	175±2mm(6.89inch)
	Height	125±2mm(4.92inch)
	Total Height	125±2mm(4.92inch)
Approx. Weight		7.4kg(16.3lbs)±4%

OUTER DIEMENSIONS (MM)



TERMINAL TYPE (MM)



CHARACTERISTICS

Capacity (25 °C)	20HR(10.5V)	26Ah
	10HR(10.5V)	22Ah
	1HR(9.60V)	15Ah
Terminal type		T4/T12
Internal resistance (Fully charged,25 °C)		Approx.14m 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°C± 5°C)
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)		13.50 to 13.80V Temperature compensation: -18mV/°C
Float charging voltage(25°C)		14.50 to 15.00V Temperature compensation: -30mV/°C
Maximum charging current		7.2A
Maximum discharge current		360A(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 UNIT: A (25°C, 77°F)

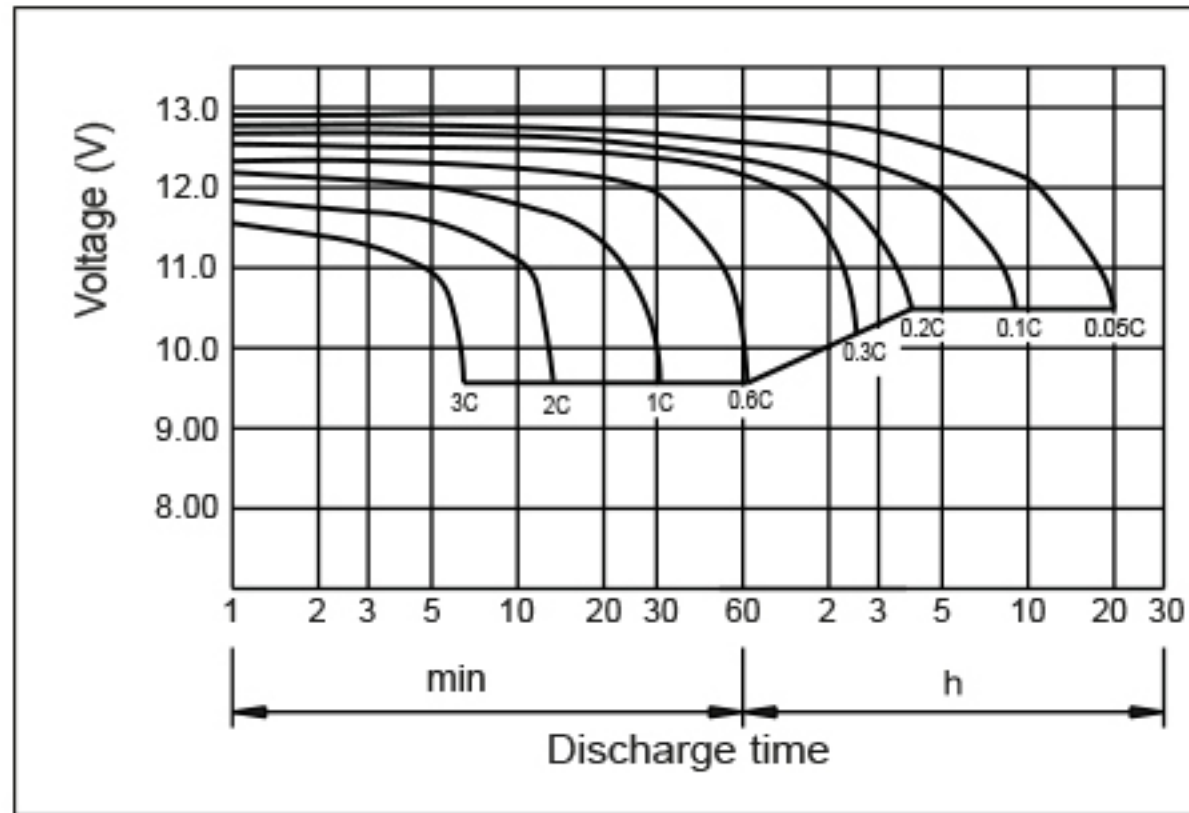
F.V/Time	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.60V	89.8	56.9	44.5	25.0	15.4	8.60	5.95	4.92	4.19	2.27	1.22
9.90V	87.2	55.2	43.4	24.5	15.2	8.55	5.91	4.89	4.16	2.26	1.21
10.2V	83.6	52.9	41.8	23.8	14.8	8.47	5.87	4.86	4.13	2.25	1.21
10.5V	80.0	50.7	40.4	23.2	14.5	8.34	5.83	4.82	4.10	2.24	1.20
10.8V	75.5	47.8	38.2	22.4	14.0	8.13	5.66	4.68	3.98	2.19	1.18

CONSTANT POWER DISCHARGE CHARACTERISTICS UNIT: W (25°C, 77°F)

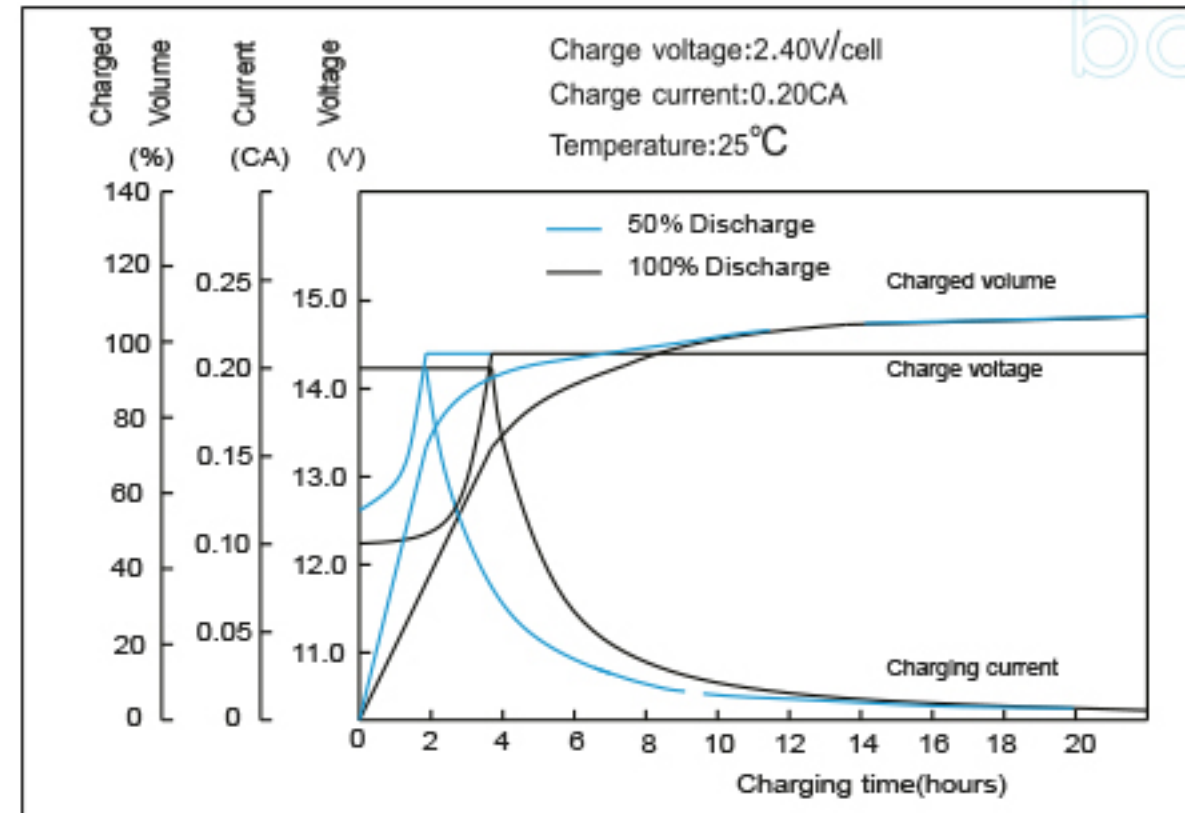
F.V/Time	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.60V	1003	642	507	287	178	101	70.7	58.6	50.0	27.3	14.6
9.90V	973	623	495	281	176	100	70.3	58.3	49.7	27.2	14.6
10.2V	932	597	476	273	171	99.1	69.8	57.9	49.3	27.0	14.5
10.5V	892	571	460	266	168	97.6	69.3	57.5	49.0	26.9	14.4
10.8V	842	539	436	256	163	95.2	67.2	55.7	47.5	26.3	14.1

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

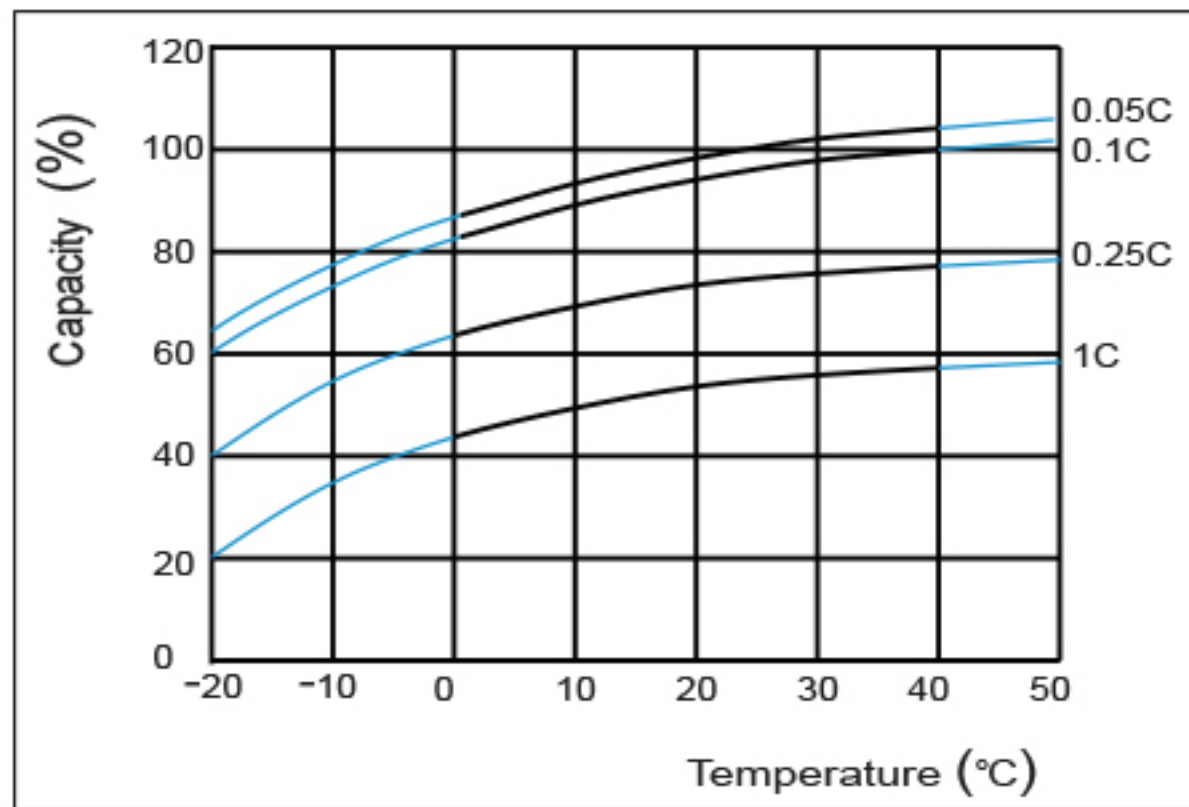
DISCHARGE CHARACTERISTICS (25°C)



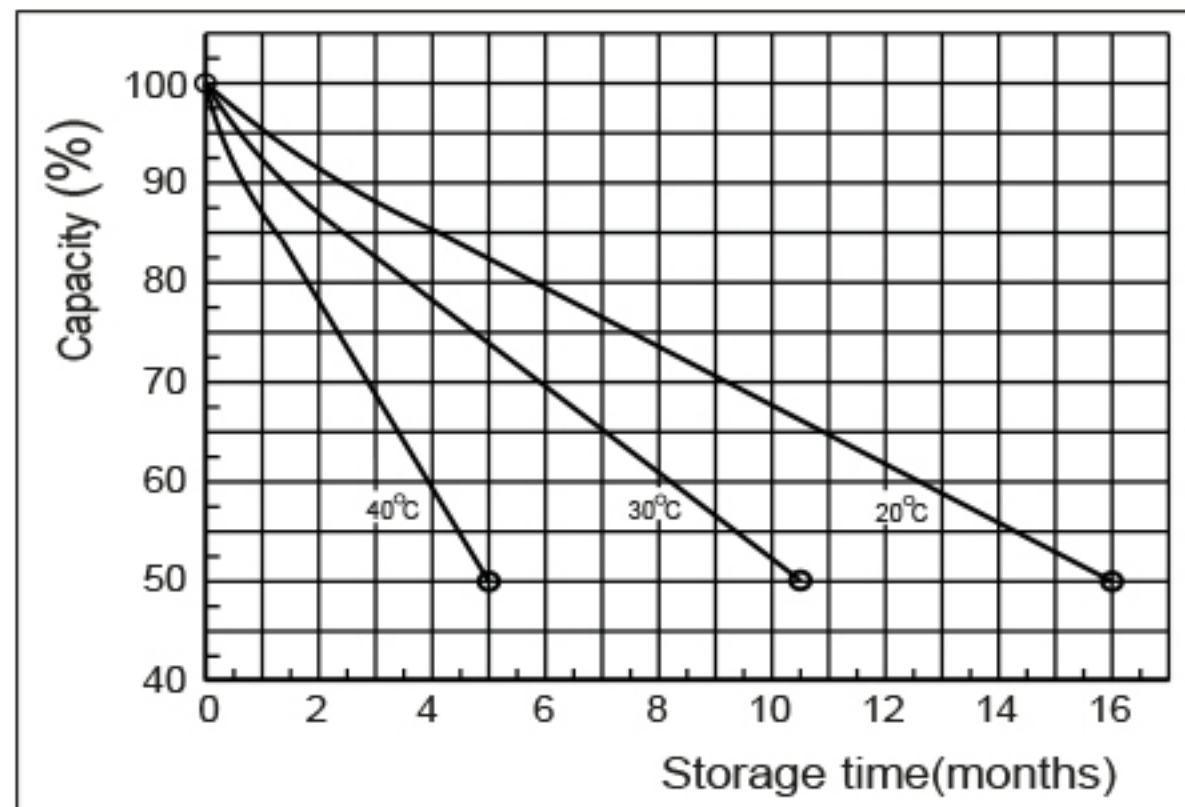
CHARGING CHARACTERISTICS (25°C)



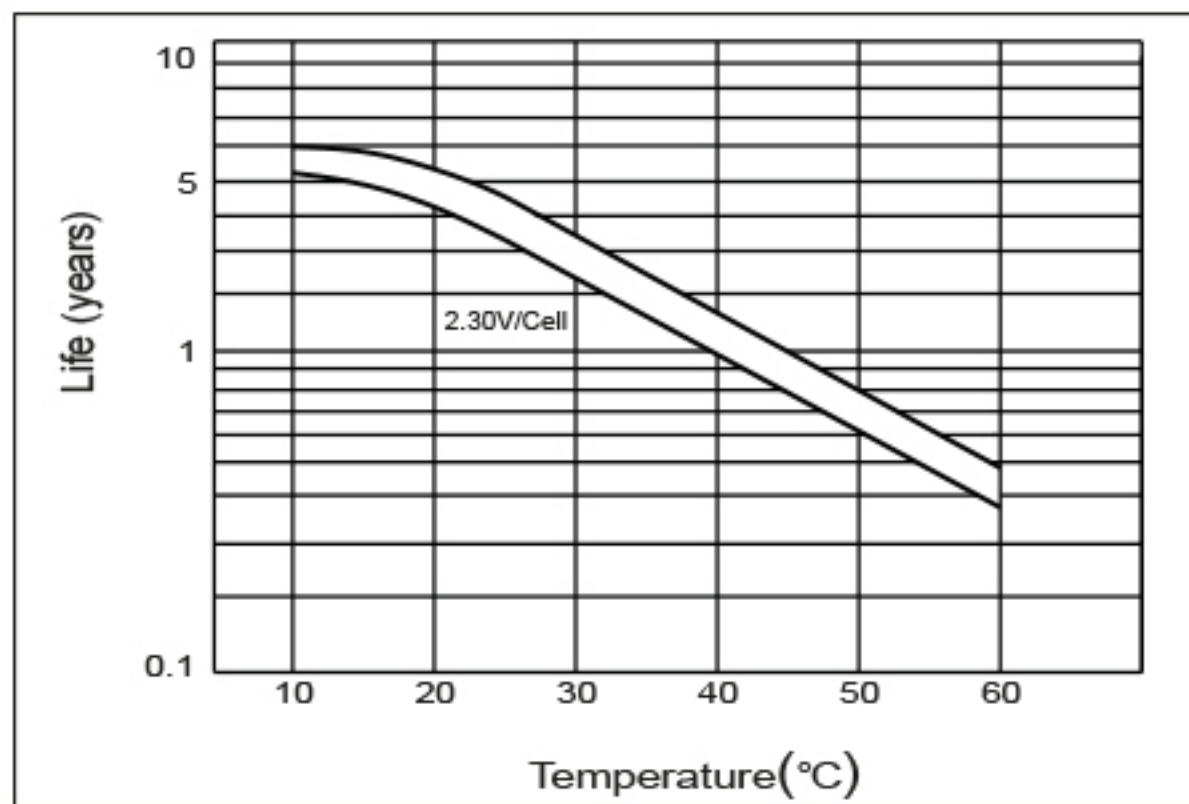
TEMPERATURE EFFECTS ON CAPACITY



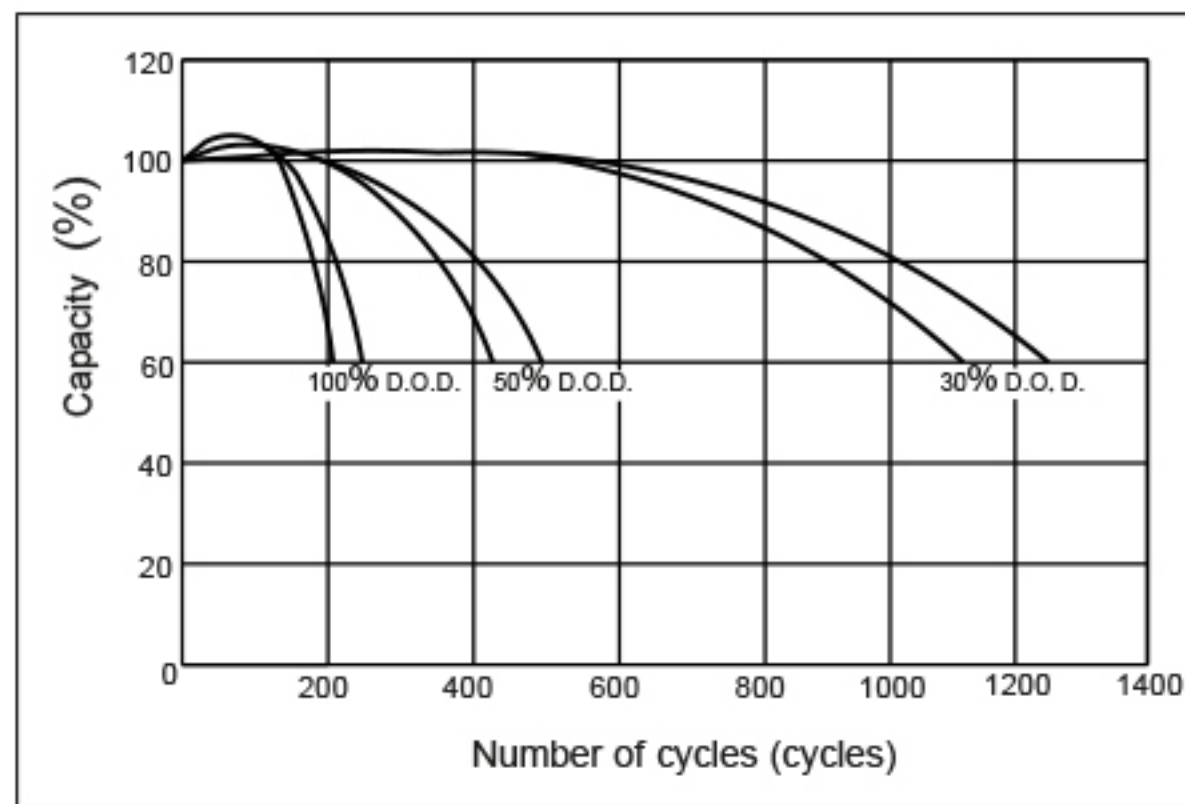
SELF-DISCHARGE CHARACTERISTICS



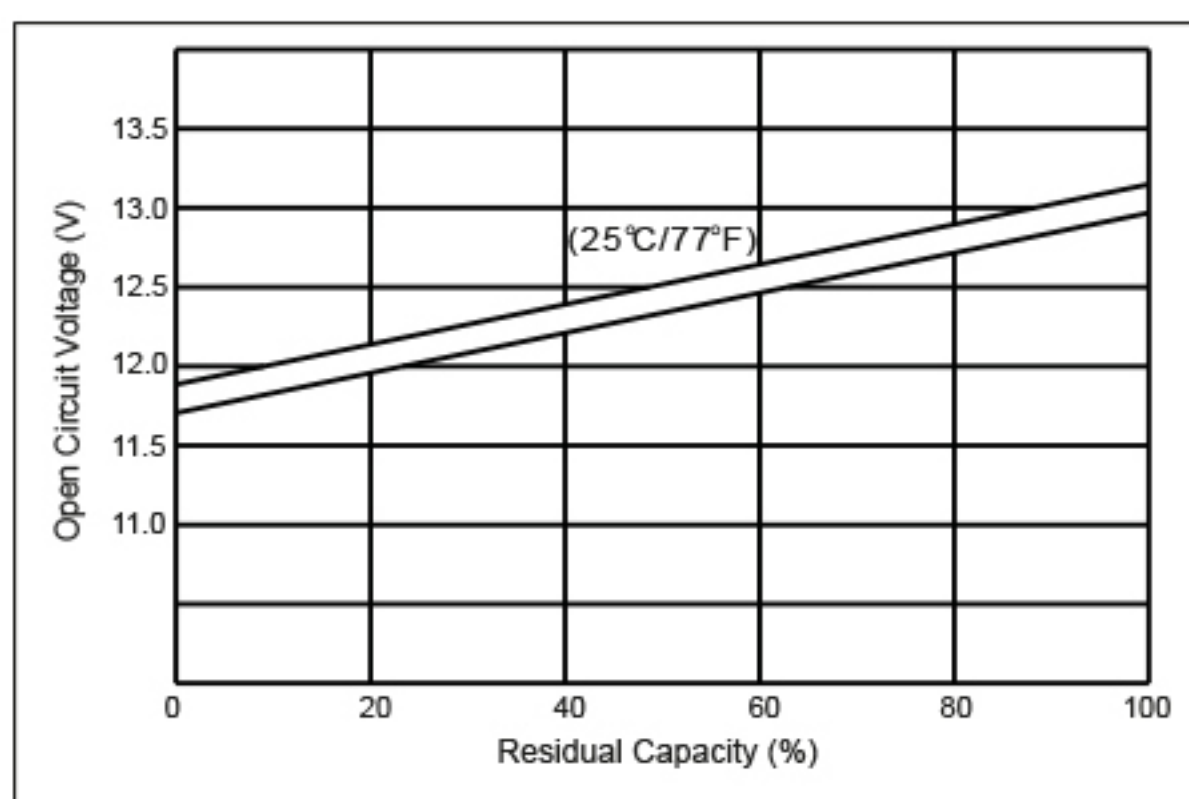
FLOATING LIFE ON TEMPERATURE



CYCLE LIFE ON D.O.D (25°C)



THE RELATIONSHIP FOR OCV AND CAPACITY (25°C)



THE RELATIONSHIP FOR CHARGING VOLTAGE AND TEMPERATURE

