

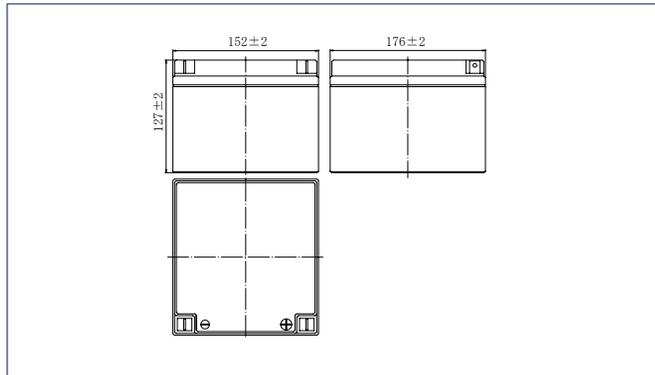
12V
26AH

viotech
battery

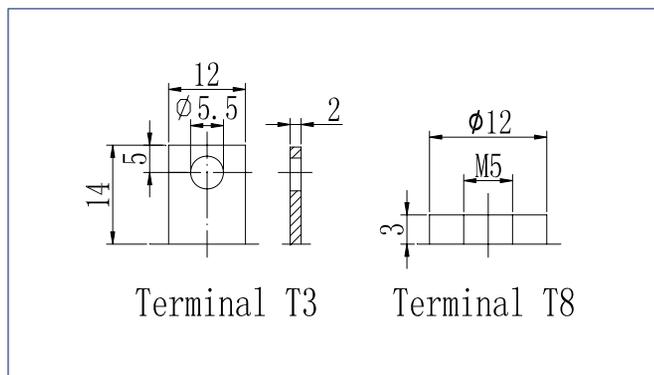
SPECIFICATIONS

Model	VT26-12	
Nominal Voltage	12V	
Rated capacity (20 hour rate)	26Ah	
Dimensions	Length	165±2mm(6.50inch)
	Width	176±2mm(6.93inch)
	Height	127±2mm(5.00inch)
	Total Height	127±2mm(5.00inch)
Approx. Weight	7.6kg(16.8lbs)±4%	

OUTER DIEMENSIONS (MM)



TERMINAL TYPE (MM)



CHARACTERISTICS

Capacity (25 °C)	20HR(10.5V)	26Ah
	10HR(10.8V)	24.0Ah
	1HR(9.60V)	15.8Ah
Terminal type		T3/T8
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)		13.60 to 13.80V Temperature compensation: -18mV/°C
Cyclic charging voltage(25°C)		14.50 to 14.90V Temperature compensation: -30mV/°C
Maximum charging current		7.8A
Terminal material		Copper
Maximum discharge current		390A(5 sec.)
Designed floating life(20°C)		10 years

CONSTANT CURRENT DISCHARGE CHARACTERISTICS UNIT: A (25°C)

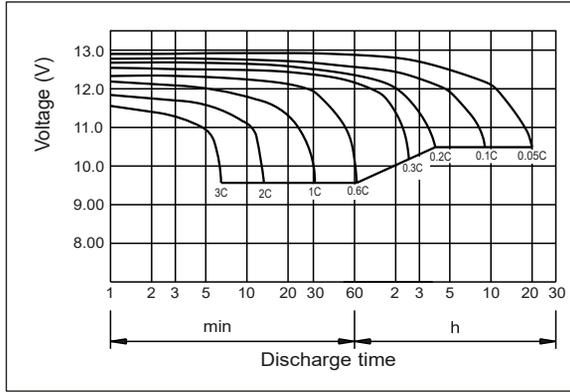
F.V/Time	5min	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	95.20	58.5	46.3	25.9	15.8	8.79	6.29	4.91	4.24	2.78	2.48	1.32
9.90V	91.80	56.2	45.1	25.4	15.6	8.74	6.25	4.88	4.22	2.77	2.47	1.31
10.2V	88.50	54.3	43.5	24.6	15.2	8.66	6.21	4.84	4.19	2.75	2.46	1.30
10.5V	85.50	51.9	42.0	24.0	14.9	8.53	6.16	4.81	4.16	2.73	2.44	1.30
10.8V	82.50	48.9	39.8	23.1	14.4	8.31	5.98	4.67	4.04	2.65	2.40	1.22

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

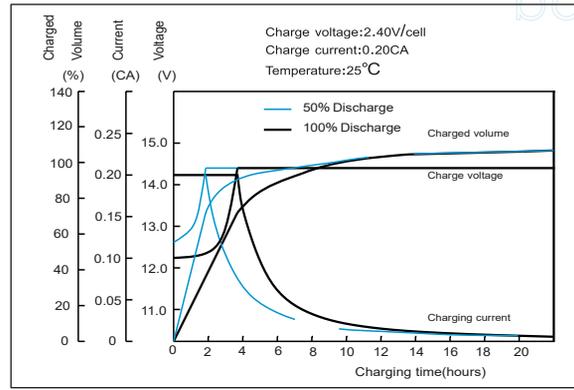
F.V/Time	5min	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	1120	660	528	297	183	103	74.7	58.4	50.7	33.4	29.8	15.8
9.90V	1105	634	514	291	181	102	74.2	58.1	50.4	33.2	29.7	15.7
10.2V	1060	612	496	282	176	101	73.7	57.7	50.0	33.0	29.5	15.6
10.5V	1015	586	479	275	173	99.8	73.2	57.3	49.7	32.8	29.3	15.6
10.8V	985	551	453	265	167	97.2	71.0	55.6	48.2	31.8	28.7	14.7

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

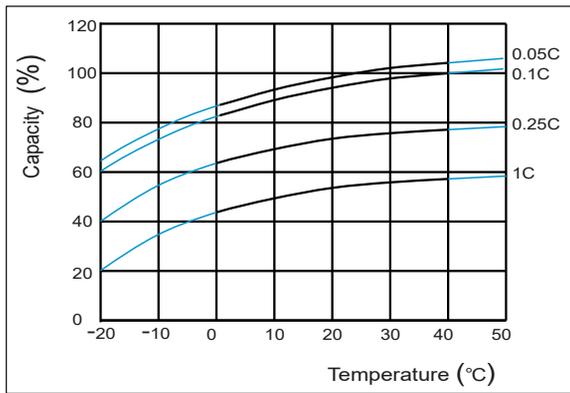
DISCHARGE CHARACTERISTICS (25°C)



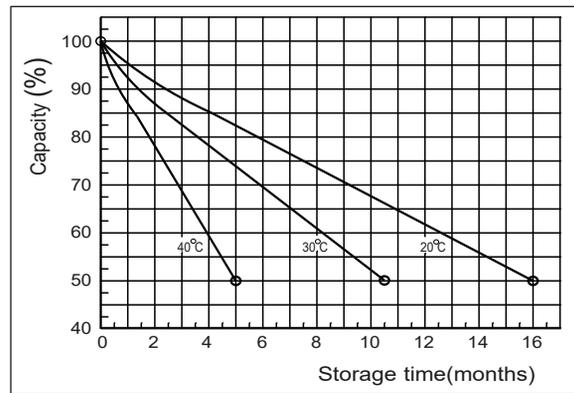
CHARGING CHARACTERISTICS (25°C)



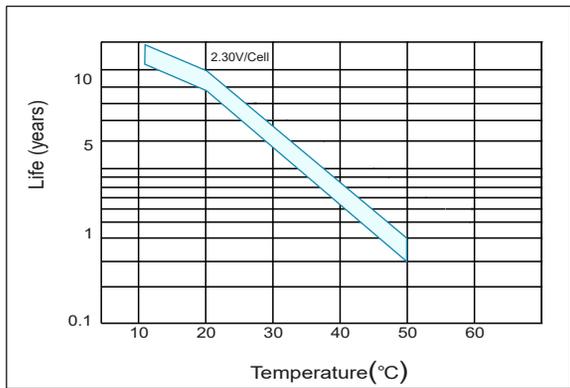
TEMPERATURE EFFECTS ON CAPACITY



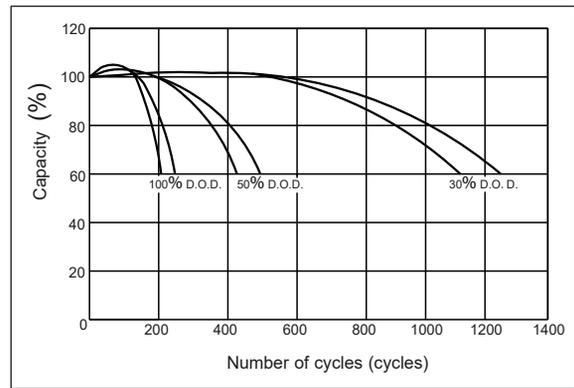
SELF-DISCHARGE CHARACTERISTICS



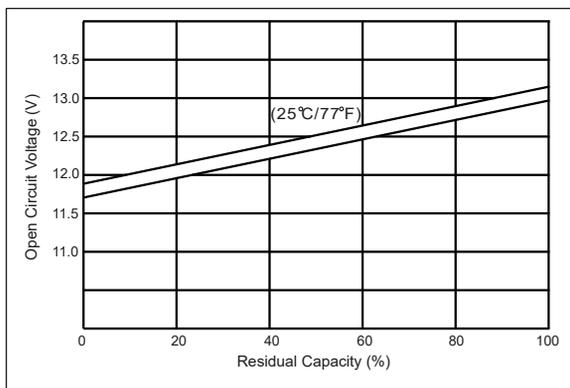
FLOATING LIFE ON TEMPERATURE



CYCLE LIFE ON D.O.D (25°C)



THE RELATIONSHIP FOR OCV AND CAPACITY (25°C)



THE RELATIONSHIP FOR CHARGING VOLTAGE AND TEMPERATURE

