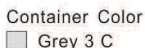
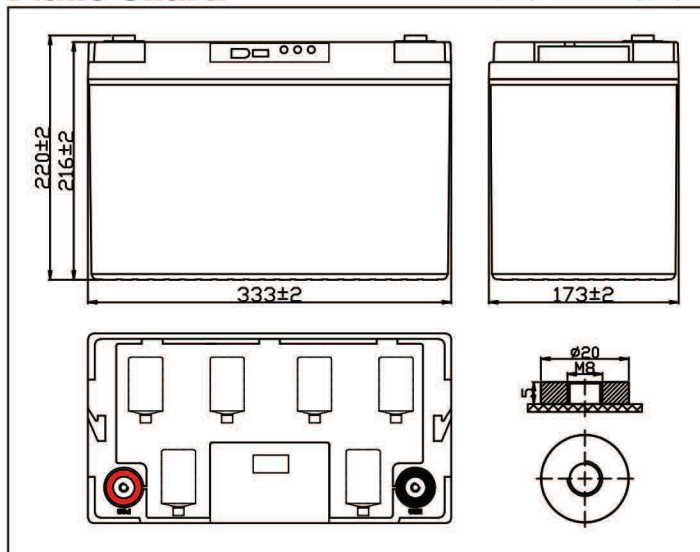


DEEP CYCLE GEL BATTERY



Unit:(mm) Terminal type:(T3)



Residual Capacity

Storage Period (months)	0°C (%)	10°C (%)	25°C (%)	30°C (%)	40°C (%)
0	100	100	100	100	100
3	95	85	75	80	65
6	90	75	60	65	45
9	85	65	45	50	35
12	80	55	35	40	-
15	75	45	25	-	-
18	70	35	15	-	-

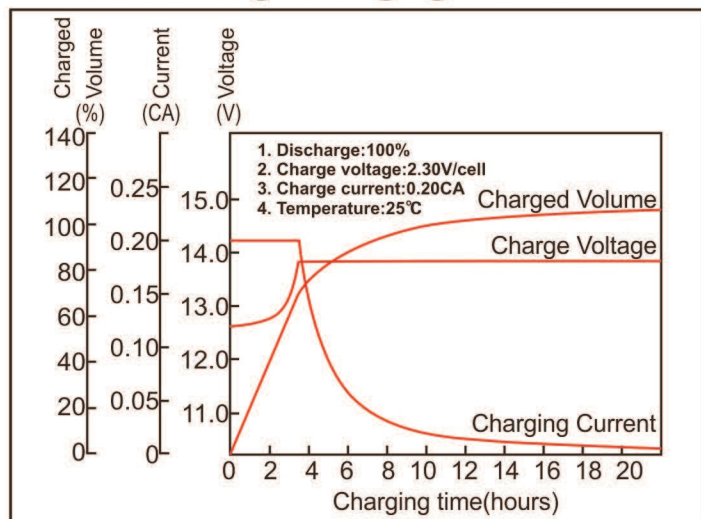
The graph illustrates the relationship between terminal voltage and discharge time for different discharge rates. The y-axis represents Terminal Voltage (V) from 7.0 to 13.0. The x-axis represents Discharge Time, with a scale break between minutes (min) and hours (h). The discharge rates shown are 2C, 1C, 0.6C, 0.3C, 0.2C, 0.1C, and 0.05C. As the discharge rate increases, the terminal voltage drops more rapidly.

Discharge Rate (C)	Approximate Discharge Time (min)	Approximate Discharge Time (h)
2C	15	-
1C	30	-
0.6C	60	-
0.3C	-	2.5
0.2C	-	5.0
0.1C	-	10.0
0.05C	-	20.0

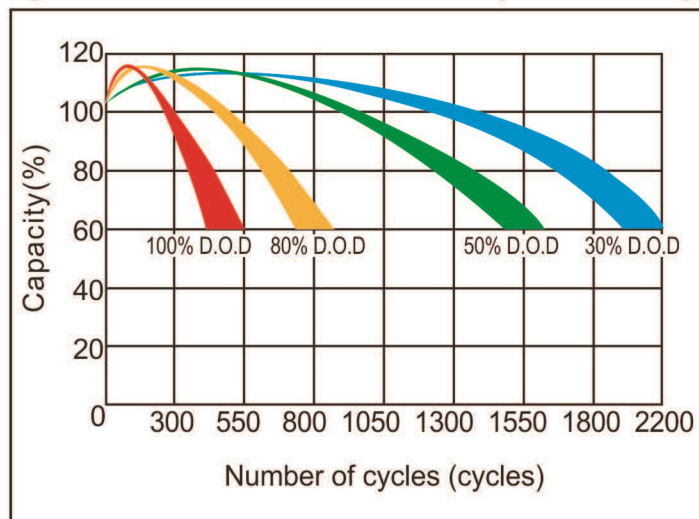
★The above are average and data obtained from the first 3 charge/discharge cycles. These are not minimum values.

MODEL: OTD100

Constant voltage charging characteristics



Cycle service life in relation to the depth of discharge



Constant Current Discharge Characteristics (A, 25°C)

F.V/Time	10min	15min	30min	60min	2h	3h	5h	8h	10h	20h
9.60V	220.4	175.4	108.2	65.1	36.6	26.5	18.5	12.2	10.2	5.4
10.2V	209.4	168.3	104.2	62.5	36.1	26.1	18.2	12.1	10.1	5.4
10.5V	203.4	164.3	101.2	61.2	35.8	25.9	18.0	12.1	10.0	5.3
10.8V	196.4	160.3	99.00	59.4	35.4	25.6	17.8	12.0	10.0	5.3

Constant Power Discharge Characteristics (Watt, 25°C)

F.V/Time	10min	15min	30min	60min	2h	3h	5h	8h	10h	20h
9.60V	2380.8	1925.8	1214.4	742.5	423.8	310.6	219.4	146.3	123.2	64.3
10.2V	2261.5	1848.7	1169.3	712.4	417.8	306.6	215.4	145.3	122.2	64.3
10.5V	2196.4	1803.6	1159.3	708.4	413.8	303.6	212.4	145.3	121.2	64.1
10.8V	2121.2	1760.5	1111.2	677.4	409.8	300.6	210.4	144.3	119.2	63.7

Capacity Factors With Different Temperature

Battery Type		-20°C	-10°C	0°C	5°C	10°C	20°C	25°C	30°C	40°C	45°C
GEL Battery	12V	50%	70%	83%	85%	90%	98%	100%	102%	104%	105%

★The above are average and data obtained from the first 3 charge/discharge cycles. These are not minimum values.



บริษัท เอ็นจิโนโอ จำกัด

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