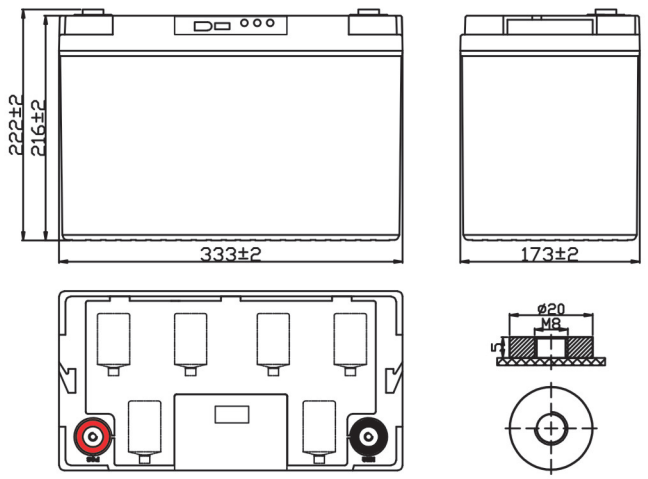
HOUSING POWER SYSTEM OTD SERIES

MODEL: OTD100(GEL) NO.: 302040066-00001

Container Color
Grey 3 C

Plane Chart:

Unit:(mm) Terminal type:(T3)



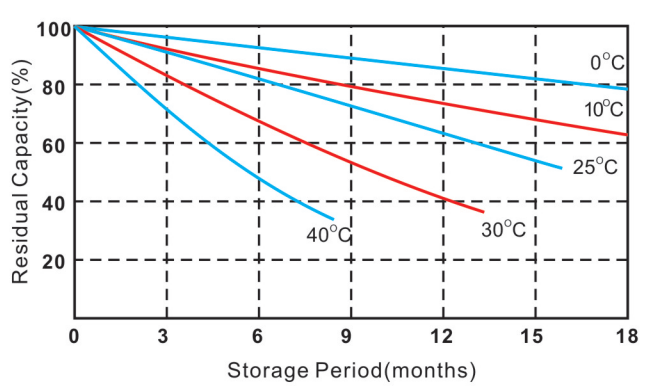
MH49393 CE GC ISO9001 ISO14001 OHSAS18001 TLC

Parameter Chart:

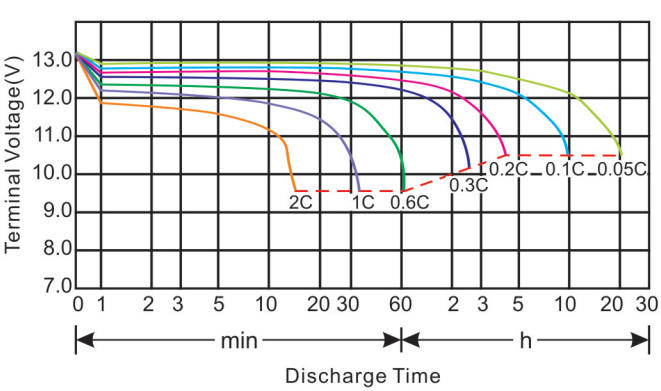
Volts	12V	
Capacity(25°C)	10 hours rate (10A)	100Ah
Discharge Current Testing (25°C)	1 hours rate (55A)	57Ah
	3 hours rate (25A)	77Ah
Internal Resistance	Full Charged Battery 25°C	4.2mΩ
Capacity Affected By Temperature	40°C	104%
	25°C	100%
	0°C	83%
	-15°C	65%
Residual Capacity (25°C)	Capacity After 3 Months Storage	91%
	Capacity After 6 Months Storage	82%
	Capacity After 12 Months Storage	65%
Charge (Constant Voltage) Cycle (25°C)	Initial Charging Current Less Than 30A Voltage 14.5~14.9V	
Charge (Constant Voltage) Float (25°C)	Charge Voltage 13.6~13.8V	
Weight (Approx)	30.9Kg	

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

Residual Capacity



Discharge Current 25℃



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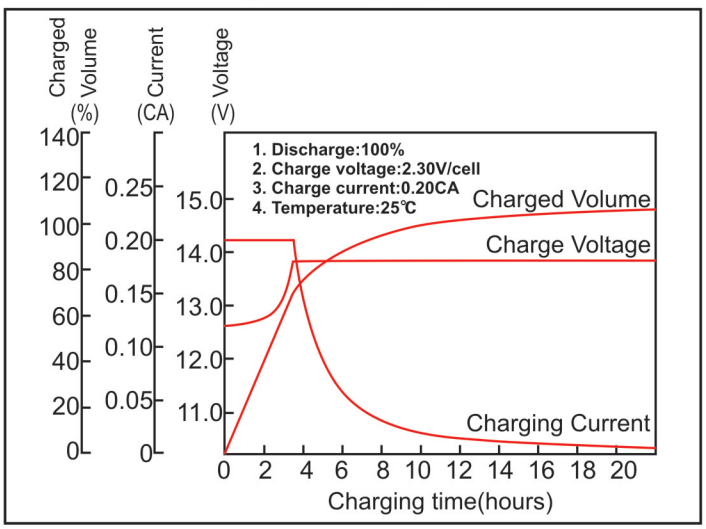
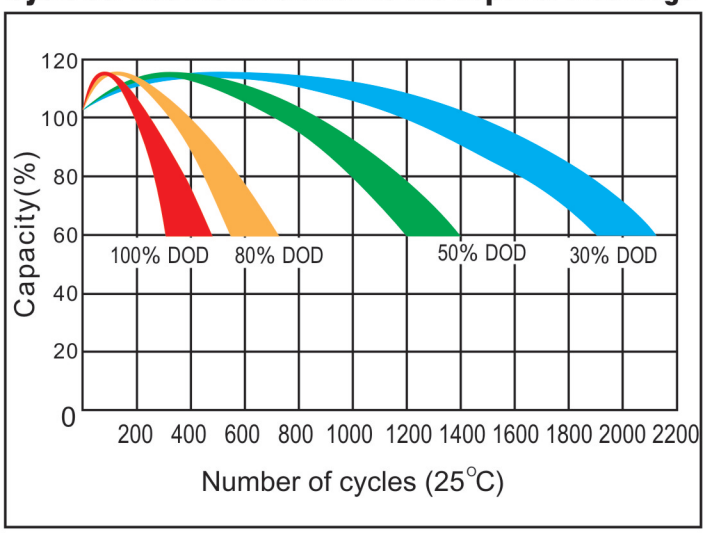
Constant voltage charging characteristics



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	217.8	173.3	106.9	64.4	36.1	26.1	18.3	12.1	10.1	5.4
10.2V	206.9	166.3	103.0	61.8	35.6	25.7	18.0	12.0	10.0	5.3
10.5V	201.0	162.4	100.0	60.5	35.3	25.5	17.8	12.0	10.0	5.3
10.8V	194.0	158.4	97.8	58.7	34.9	25.2	17.6	11.9	10.0	5.2

Constant Power Discharge Characteristics (Watt, 25°C)

F.V/Time	10min	15min	30min	60min	2h	3h	5h	8h	10h	20h
9.60V	2352.2	1902.8	1199.9	733.6	418.8	306.9	216.8	144.5	121.8	64.3
10.2V	2234.4	1826.6	1155.3	703.9	412.8	302.9	212.9	143.9	120.8	63.6
10.5V	2170.1	1782.0	1145.4	699.9	408.9	300.0	209.9	143.6	119.8	63.4
10.8V	2095.8	1739.4	1097.9	669.2	404.9	297.0	207.9	142.6	118.2	63.0

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%

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奥特多电池 OUTDO BATTERY

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