

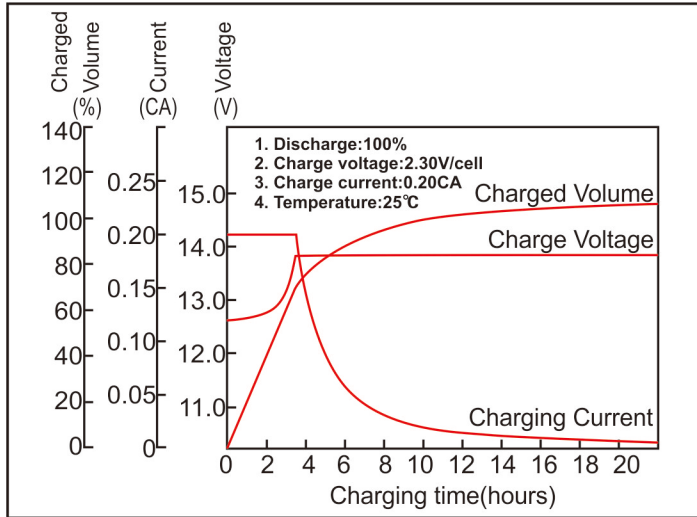


HOUSING POWER SYSTEM OTD SERIES

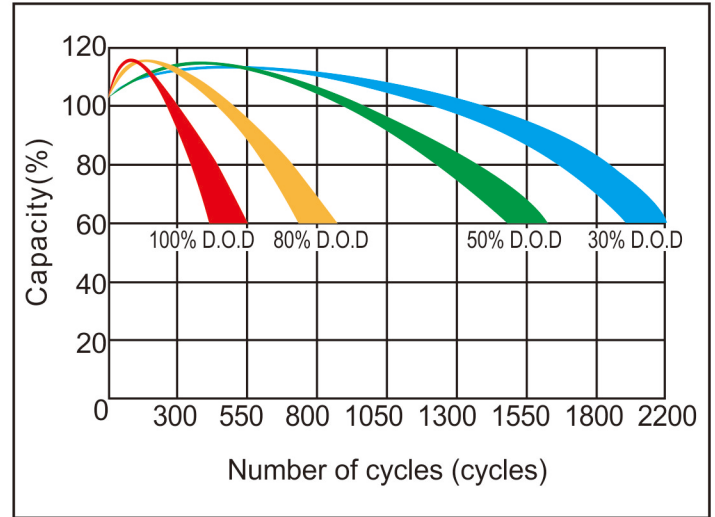
MODEL: OTD100

NO.: 302040066-00007

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.



ZHANGZHOU HUAWEI POWER SUPPLY TECHNOLOGY CO.,LTD.

Add: Industrial District of Lieyu Town, Yunxiao County, Zhangzhou-363300, Fujian, China

Tel: +86-596-8991888 E-mail: huawei-battery@vip.163.com Http://www.huawei-battery.com

V20170412



HOUSING POWER SYSTEM OTD SERIES

MODEL: OTD100

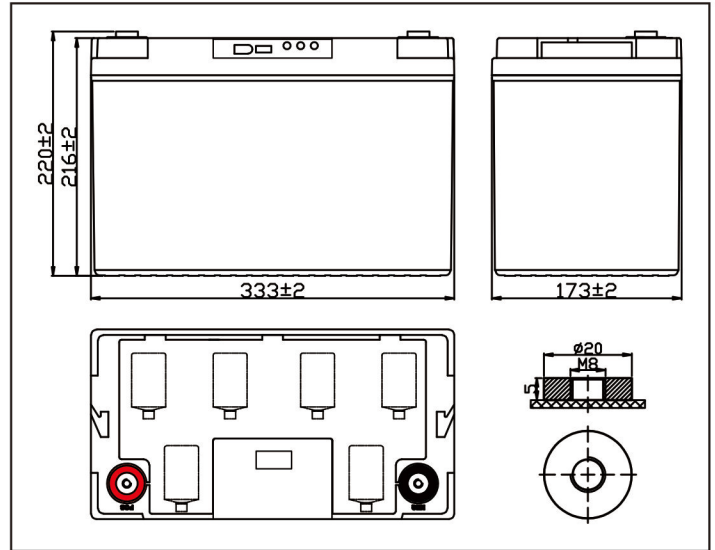
NO.: 302040066-00007



Container Color
Grey 3 C

Plane Chart:

Unit:(mm) Terminal type:(T3)



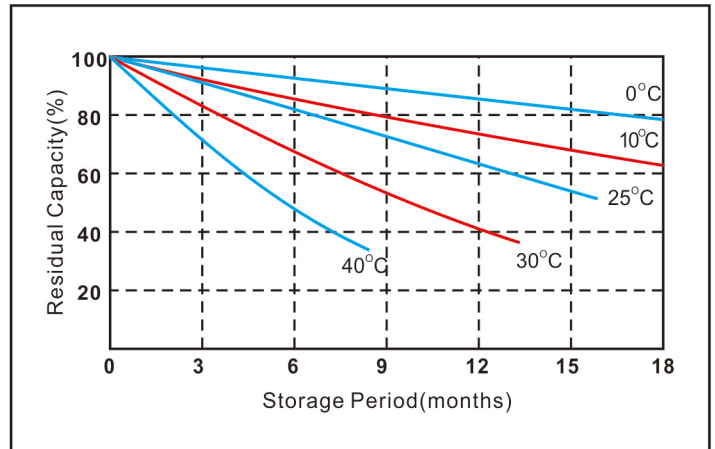
ISO 9001
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OHSAS18001



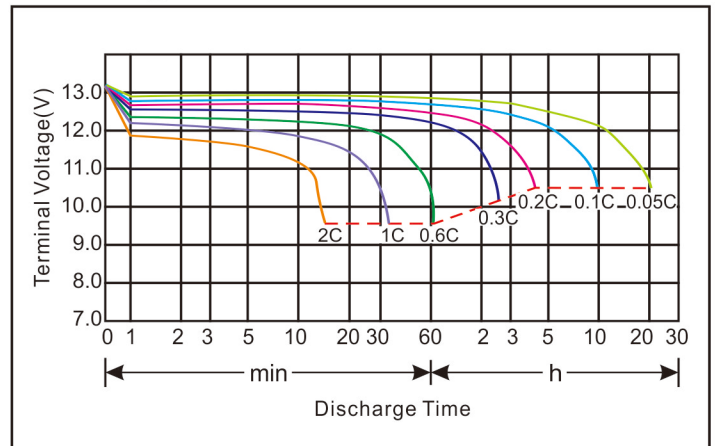
Parameter Chart:

Volts		12V
Capacity(25°C)	10 hours rate (10A)	100Ah
Discharge Current Testing (25°C)	1 hours rate (55A)	59Ah
	3 hours rate (25A)	79Ah
Internal Resistance	Full Charged Battery 25°C	4mΩ
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
	Float (25°C)	Charge Voltage 13.6~13.8V
Weight (Approx)		31.5Kg

Residual Capacity



Discharge Current 25°C



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