



INDUSTRIAL BATTERY - VRLA-AGM BATTERY - 2V SERIES

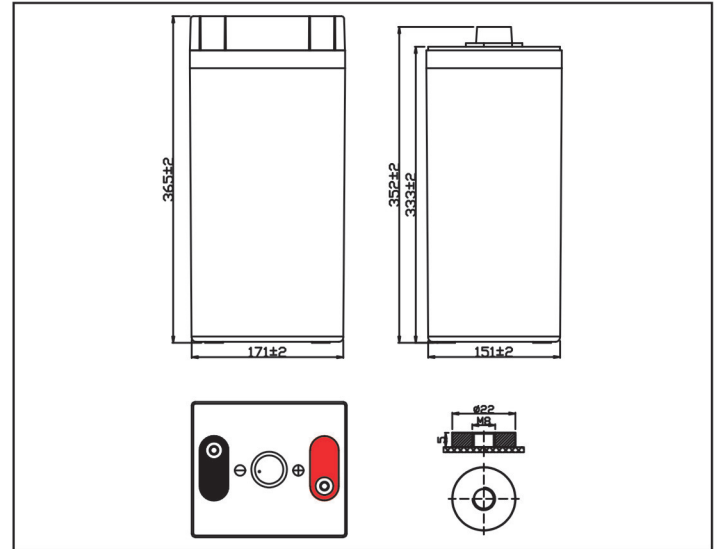
MODEL: OT300-2

NO.: 302010005-00157



Plane Chart:

Unit:(mm) Terminal type:(T5)



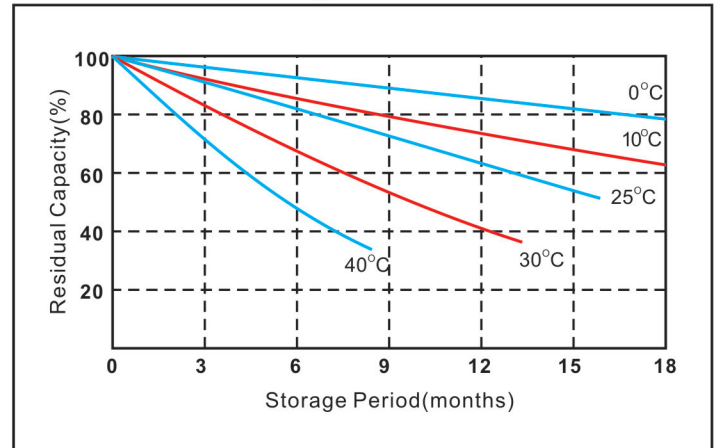
ISO 9001
ISO 14001
OHSAS18001



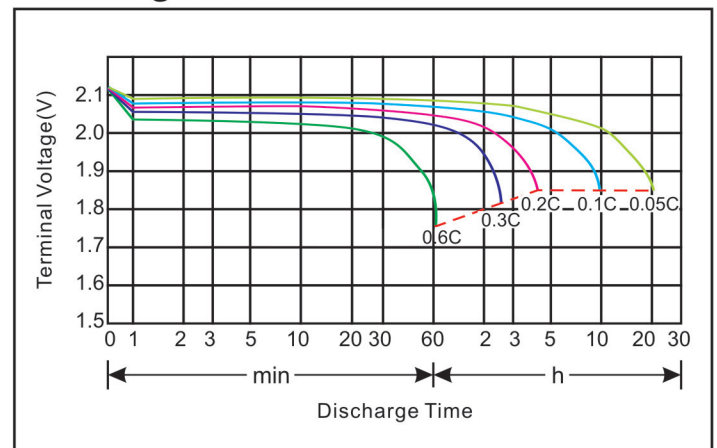
Parameter Chart:

Volts		2V
Capacity(25°C)	10 hours rate (30A)	300Ah
Discharge Current Testing (25°C)	1 hours rate (165A)	170Ah
	3 hours rate (75A)	231Ah
Internal Resistance	Full Charged Battery 25°C	0.57mΩ
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 90A Voltage 2.35~2.40V
	Float (25°C)	Charge Voltage 2.23~2.27V
Weight (Approx)		19.2Kg

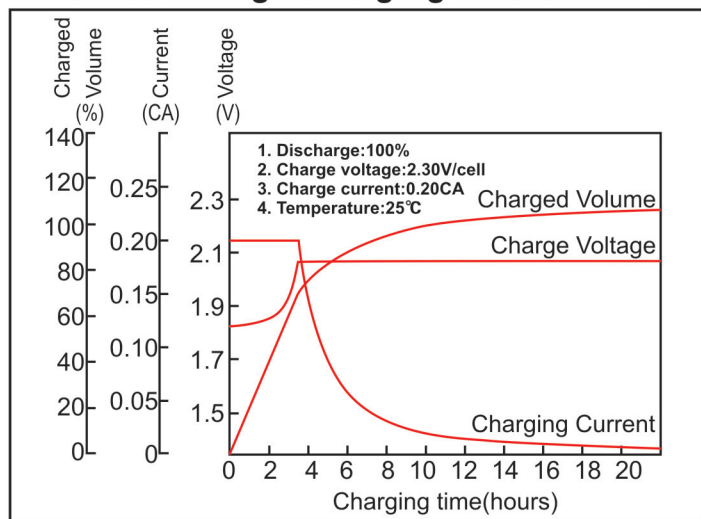
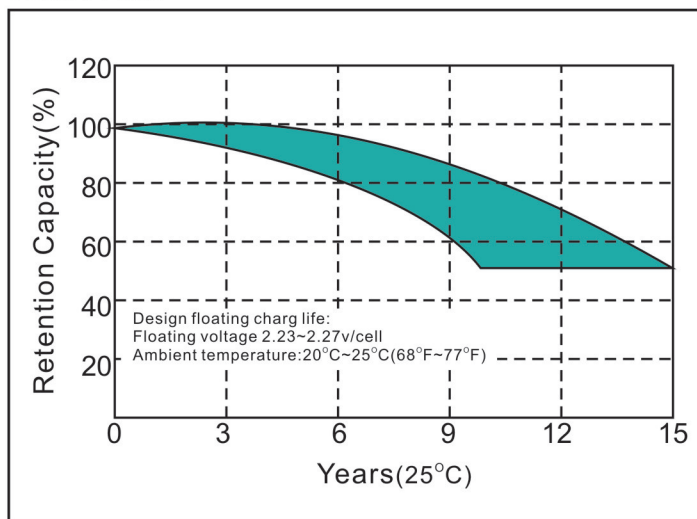
Residual Capacity



Discharge Current 25°C



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

MODEL: OT300-2
NO.: 302010005-00157
Constant voltage charging characteristics

Float Life

Constant Current Discharge Characteristics(A,25°C)

F.V/TIME	30min	45min	60min	1.5h	2h	3h	4h	5h	8h	10h
1.60V	300.0	240.0	180.0	150.0	117.0	94.5	69.0	57.0	41.4	33.0
1.65V	291.0	234.0	174.0	144.0	114.0	91.5	67.5	55.5	40.5	32.1
1.70V	285.0	228.0	168.0	138.0	112.5	84.0	66.0	54.0	39.3	31.5
1.75V	279.0	222.0	165.0	135.0	109.5	79.5	64.5	52.5	38.1	30.9
1.80V	273.0	216.0	162.0	129.0	105.0	75.0	63.0	51.0	36.9	30.0
1.85V	261.0	207.0	156.0	120.0	100.5	72.0	60.0	48.0	35.4	29.1

Constant Power Discharge Characteristice(Watt,25°C)

F.V/TIME	30min	45min	60min	1.5h	2h	3h	4h	5h	8h	10h
1.60V	561.0	448.8	336.6	280.5	218.8	176.7	129.0	106.6	77.4	61.7
1.65V	544.2	437.6	325.4	269.3	213.2	171.1	126.2	103.8	75.7	60.0
1.70V	533.0	426.4	314.2	258.1	210.4	157.1	123.4	101.0	73.5	58.9
1.75V	521.7	415.1	308.6	252.5	204.8	148.7	120.6	98.2	71.2	57.8
1.80V	510.5	403.9	302.9	241.2	196.4	140.3	117.8	95.4	69.0	56.1
1.85V	488.1	387.1	291.7	224.4	187.9	134.6	112.2	89.8	66.2	54.4

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
Battery	2V	50%	70%	83%	85%	90%	98%	100%	102%	104%	105%

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