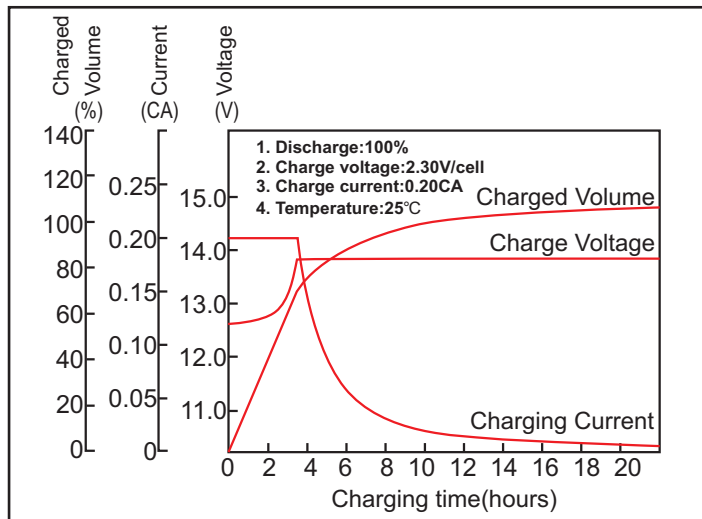




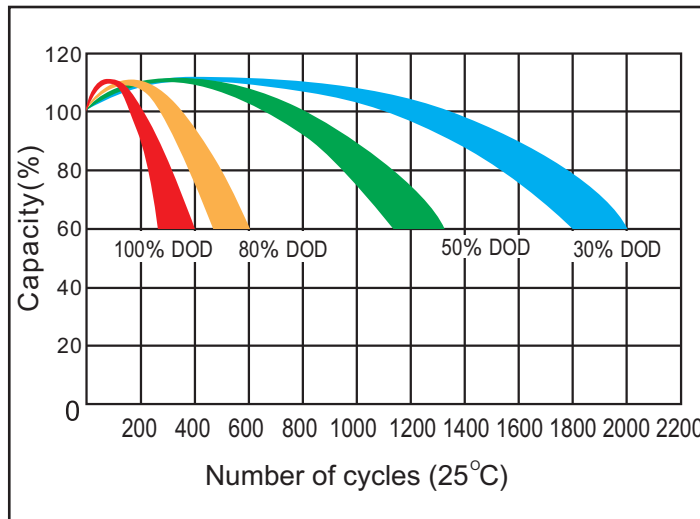
**MODEL: OT33-12(GEL)/DS/CN-A**

**NO.: 302030066-00013**

**Constant voltage charging characteristics**



**Cycle service life in relation to the depth of discharge**



**Constant Current Discharge Characteristics (A, 25°C)**

F.V/Time	5min	10min	15min	30min	60min	2h	3h	5h	8h	10h	20h
9.60V	108.6	69.8	59.6	35.6	20.5	11.9	8.7	5.8	3.7	3.2	1.8
10.2V	103.7	66.2	57.2	34.2	19.8	11.7	8.5	5.7	3.6	3.1	1.7
10.5V	100.5	64.2	55.5	33.4	19.3	11.6	8.3	5.6	3.6	3.1	1.7
10.8V	97.4	62.2	53.6	32.6	18.8	11.5	8.1	5.5	3.5	3.0	1.6

**Constant Power Discharge Characteristics (Watt, 25°C)**

F.V/Time	5min	10min	15min	30min	60min	2h	3h	5h	8h	10h	20h
9.60V	1140.6	752.5	629.1	376.3	234.1	137.4	102.7	68.7	45.7	38.4	20.0
10.2V	1087.3	715.0	603.4	360.5	225.2	135.4	99.7	67.4	45.3	38.2	19.8
10.5V	1054.7	693.3	588.1	352.1	213.8	134.4	97.8	66.4	45.1	38.0	19.6
10.8V	1022.1	671.5	572.8	343.7	202.5	132.9	95.8	65.4	44.6	37.8	19.4

**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
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.