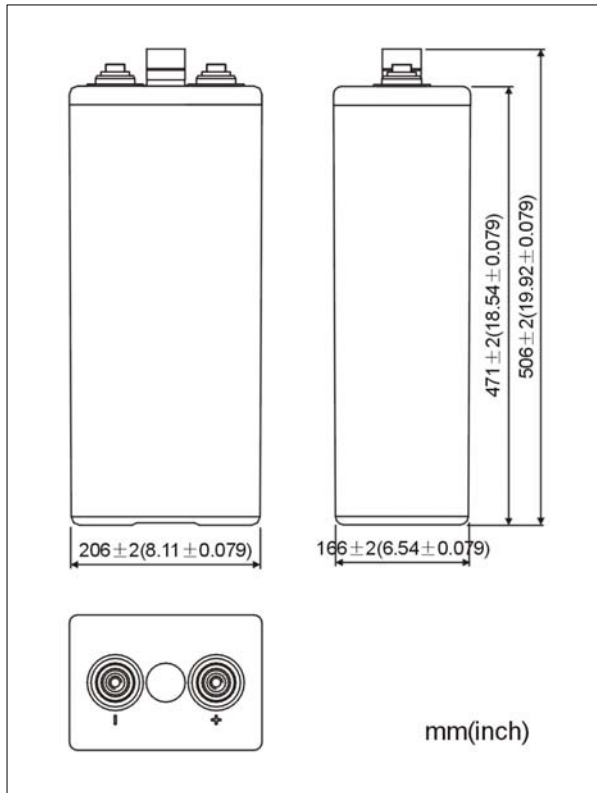


# 7 OPzV500

## NON-SPILLABLE RECHARGEABLE SEALED LEAD ACID BATTERY

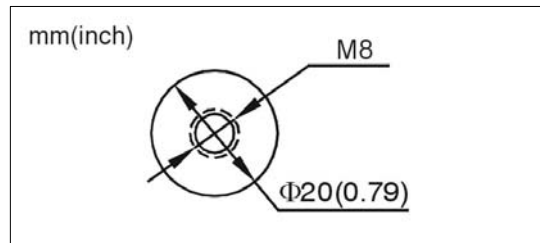
### ■ DIMENSION



### ■ FEATURES

- Sealed and Non-Spillable construction design;
- Safety valve installation for explosion proof;
- ABS containers and covers (UL94 V0, optional);
- Maintenance free operation;
- Lowest self-discharge characteristic;
- High quality and high reliability;
- Super long service life.

### ■ TERMINAL



### ■ SPECIFICATIONS

Nominal Voltage	2V	Nominal Capacity (C <sub>10</sub> )	500Ah (1.80V @ 20°C)	
Dimension	Length 166mm	Weight	Approx. 37 kg	
	Width 206mm	Max Charging Current	100A	
	Height 471mm	Internal Resistance	Full charged@20°C: 0.00065 Ohm	
	Total Height 506mm	Self Discharge	2% of capacity declined per month@20°C	
Capacity Affected by Temp. (10HR)	40°C	20°C	0°C	-15°C
	109%	100%	85%	65%

### ■ CHARGE

Using Mode	Cycle use	Float use
Charge Voltage (20°C)	2.35~2.40V(-5mV/°C)	2.25~2.29V(-3mV/°C)



# 7 OPzV500

## NON-SPILLABLE RECHARGEABLE SEALED LEAD ACID BATTERY

### ■ CONSTANT CURRENT DISCHARGE CHARACTERISTICS

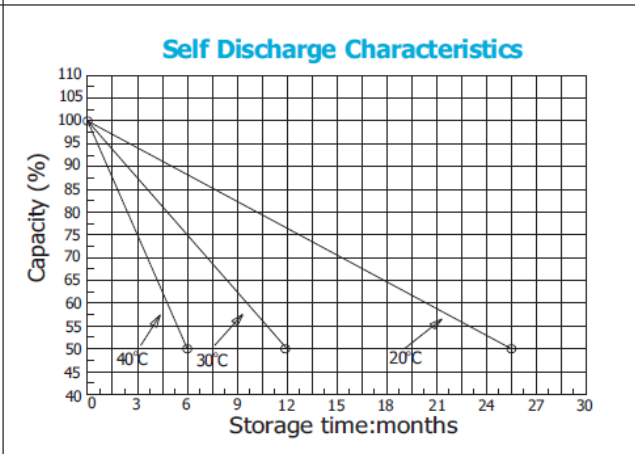
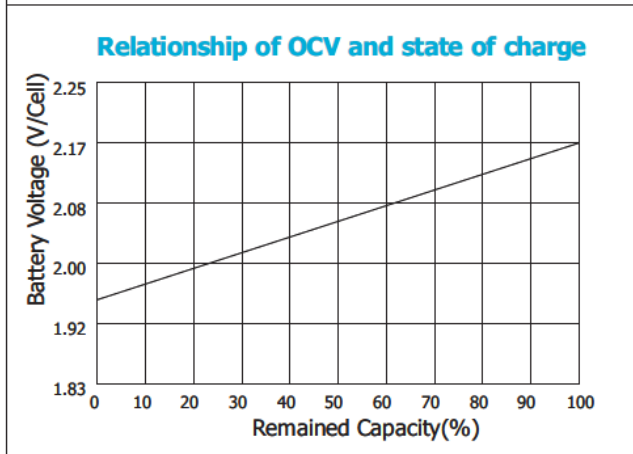
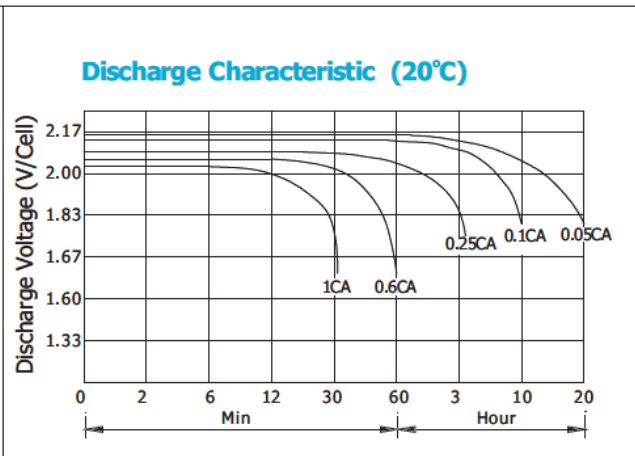
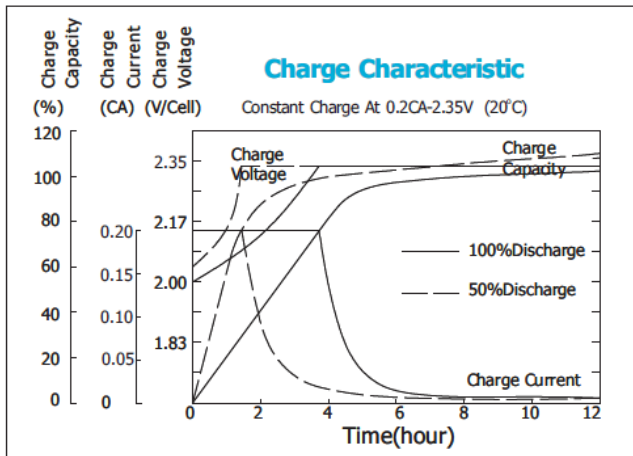
UNIT: A (20°C)

F.V/Time	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.70V	572	437	283	175	129	90.0	62.0	52.0	28.0
1.75V	515	406	274	171	127	88.2	61.6	51.0	27.5
1.80V	448	371	259	164	123	86.5	60.0	50.0	27.0
1.83V	406	342	245	159	119	85.0	59.5	49.7	26.8
1.87V	350	303	237	149	114	84.0	58.0	48.0	25.9
1.90V	292	273	203	137	106	74.5	55.0	46.0	24.8

### ■ CONSTANT POWER DISCHARGE CHARACTERISTICS

UNIT: W/CELL (20°C)

F.V/Time	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.70V	936	762	511	343	235	158	114	95.3	57.0
1.75V	825	711	477	333	230	156	112	95.0	56.0
1.80V	685	634	467	301	225	153	109	94.0	55.0
1.83V	600	555	442	290	221	149	105	93.5	54.0
1.87V	538	468	429	275	210	145	100	88.8	52.0
1.90V	520	500	388	247	180	127	95.0	85.8	51.0



Issue: SC-7 OPzV500-001-CGB-201604. For the improvement of products and technology, and the appearance of the specifications are subject to change without prior notice. The company has the right of final interpretation.

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