

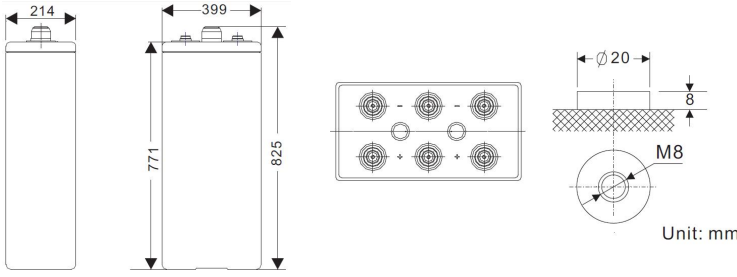


# OPzS2000 Tubular Battery



## PHYSICAL SPECIFICATION

Nominal Voltage		2V
Nominal Capacity (10HR)		2000Ah
Dimension	Length	399±2mm (15.71 inches)
	Width	214±2mm (8.43 inches)
	Container Height	771±2mm (30.35 inches)
	Total Height	825±2mm (32.48 inches)
Weight		Approx. 150 Kg (330.6lbs)
Standard Terminal		Bolt-and-nuts terminal Bolt Type: M8



## ELECTRICAL SPECIFICATION

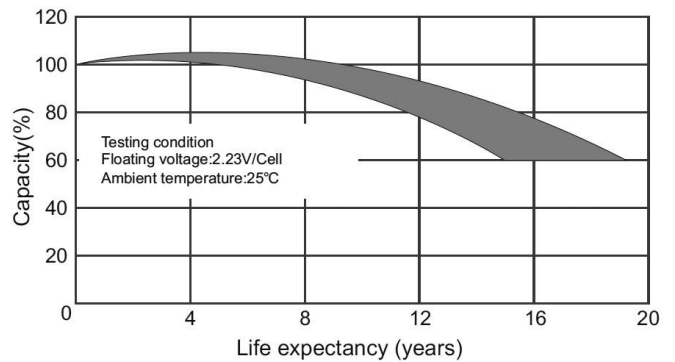
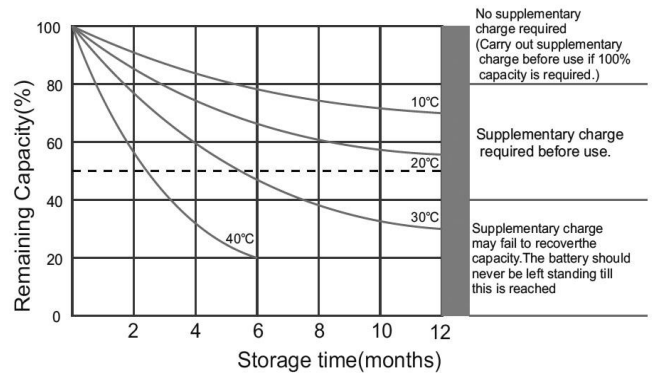
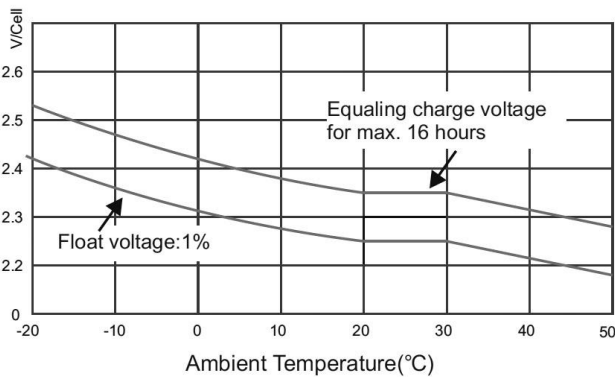
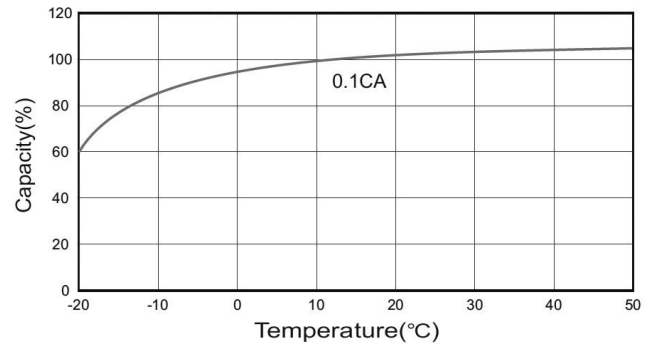
Characteristics			Main Advantages
Capacity	20 hour rate (124.1A to 1.80v/cell) 10 hour rate (211.3A to 1.80v/cell) 5 hour rate (360.8A to 1.75v/cell) 1hour rate (1212A to 1.60v/cell)	2480Ah 2113Ah 1804Ah 1212Ah	<ul style="list-style-type: none"> <li>&gt;&gt; adopt tubular positive plate</li> <li>&gt;&gt; longest lifespan under deep discharge</li> <li>&gt;&gt; Strong temperature resistance performance</li> <li>&gt;&gt; Better charge reception capability</li> <li>&gt;&gt; 20 years design life</li> </ul>
Operating Temp. Range	Discharge : -20℃~55℃ Charge : -10℃~45℃ Storage : -15℃~45℃		
Max. Discharge Current	10000A(5sec)		
Short Circuit Current	15000A		
Designed life	20 years ( floating ) at 25℃ (77 °F)		
Internal Resistance	Full charged battery (25℃, 77 °F) 0.14mΩ		
Constant Voltage Charge	Cycle	Initial Charging Current less than :≤500A Voltage: 2.35~2.40V at 25℃ (77 °F ) Temperature Coefficient -5mV/℃	
	Standby	No limit on Initial Charging Current Voltage: 2.23V at 25℃ (77 °F ) Temperature Coefficient -3mV/℃	

### CONSTANT CURRENT DISCHARGE RATING A@25℃

F.V/TIME	30min	1h	2h	3h	4h	5h	8h	10h	24h
1.60V	1685	1154	719	518	413	356	255.0	212.2	94.40
1.65V	1629	1127	705	511	409	352	253.2	211.0	94.38
1.70V	1561	1094	688	503	404	347	250.2	210.0	93.40
1.75V	1503	1061	670	491	396	342	245.6	207.0	91.80
1.80V	1375	1010	645	481	388	334	239.4	200.6	89.60
1.85V	1220	938	610	466	376	323	232.6	198.0	86.80

### CONSTANT POWER DISCHARGE RATING WATT PER CELL@25℃

F.V/TIME	30min	1h	2h	3h	4h	5h	8h	10h	24h
1.60V	3072	2126	1328	960	766	660	474.2	394.4	176.20
1.65V	2998	2080	1300	946	758	654	470.6	392.8	175.80
1.70V	2880	2020	1272	934	750	644	464.4	390.6	173.80
1.75V	2780	1972	1246	914	738	636	458.2	387.0	172.40
1.80V	2566	1902	1216	908	734	632	454.6	380.2	170.20
1.85V	2320	1780	1164	890	720	620	446.4	378.4	168.20



(Note) All above information shall be changed without prior notice, Shimastu reserves the right to explain and update the latest information.