



OPzS600 Tubular Battery



PHYSICAL SPECIFICATION

Nominal Voltage		2V	
Nominal Capacity (10HR)		600Ah	
Dimension	Length	145±2mm	(5.71 inches)
	Width	206±2mm	(8.11 inches)
	Container Height	646±2mm	(25.43 inches)
	Total Height	701±2mm	(27.60 inches)
Weight		Approx. 47 Kg (103.6lbs)	
Standard Terminal		Bolt-and-nuts terminal Bolt Type: M8	



ELECTRICAL SPECIFICATION

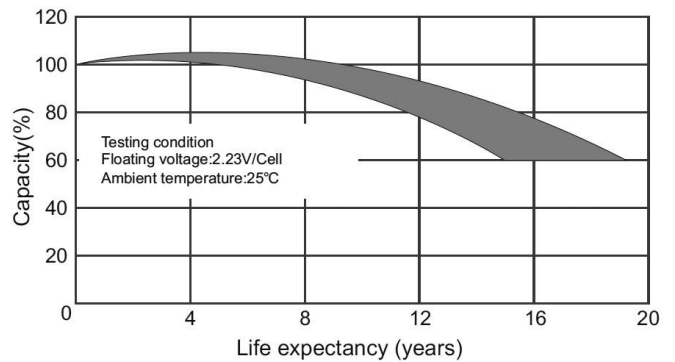
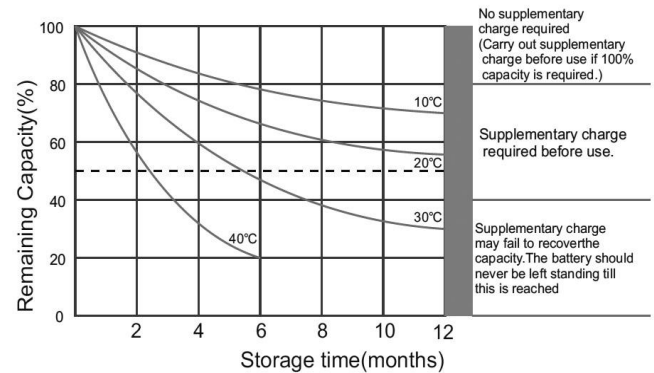
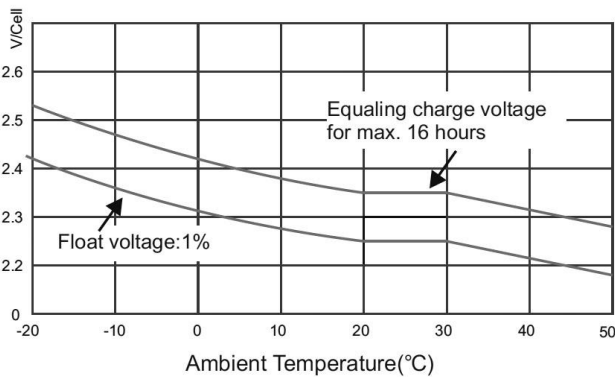
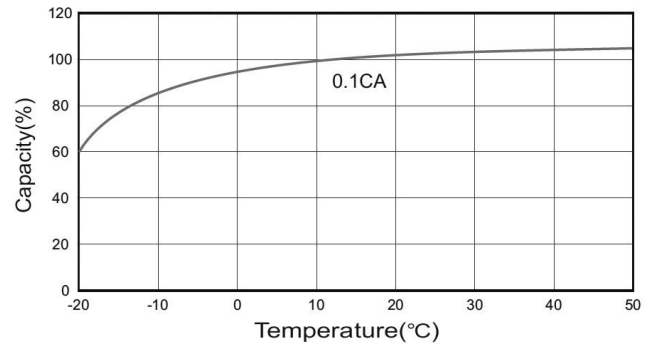
Characteristics			Main Advantages
Capacity	20 hour rate (37.23A to 1.80v/cell) 10 hour rate (63.38A to 1.80v/cell) 5 hour rate (108.2A to 1.75v/cell) 1hour rate (363.5A to 1.60v/cell)	744.6Ah 633.8Ah 541.0Ah 363.5Ah	>> adopt tubular positive plate >> longest lifespan under deep discharge >> Strong temperature resistance performance >> Better charge reception capability >> 20 years design life
Operating Temp. Range	Discharge : -20°C~55°C Charge : -10°C~45°C Storage : -15°C~45°C		
Max. Discharge Current	3000A(5sec)		
Short Circuit Current	6200A		
Designed life	20 years (floating) at 25°C(77 °F)		
Internal Resistance	Full charged battery (25°C,77 °F) 0.41mΩ		
Constant Voltage Charge	Cycle	Initial Charging Current less than :≤150A Voltage: 2.35~2.40V at 25°C (77 °F) Temperature Coefficient -5mV/°C	
	Standby	No limit on Initial Charging Current Voltage: 2.23V at 25°C (77 °F) Temperature Coefficient -3mV/°C	

CONSTANT CURRENT DISCHARGE RATING A@25°C

F.V/TIME	30min	1h	2h	3h	4h	5h	8h	10h	24h
1.60V	506	346	216	156	124	107	76.5	63.7	28.32
1.65V	489	338	212	153	123	106	76.0	63.3	28.30
1.70V	468	328	206	151	121	104	75.1	63.0	28.02
1.75V	451	318	201	147	119	103	73.7	62.1	27.54
1.80V	412	303	194	144	116	100	71.8	60.2	26.88
1.85V	366	282	183	140	113	97	69.8	59.4	26.04

CONSTANT POWER DISCHARGE RATING WATT PER CELL@25°C

F.V/TIME	30min	1h	2h	3h	4h	5h	8h	10h	24h
1.60V	922	638	398	288	230	198	142.3	118.3	52.86
1.65V	899	624	390	284	227	196	141.2	117.8	52.74
1.70V	864	606	382	280	225	193	139.3	117.2	52.14
1.75V	834	592	374	274	221	191	137.5	116.1	51.72
1.80V	770	571	365	272	220	190	136.4	113.5	51.06
1.85V	696	534	349	267	216	186	133.9	114.1	50.46



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