

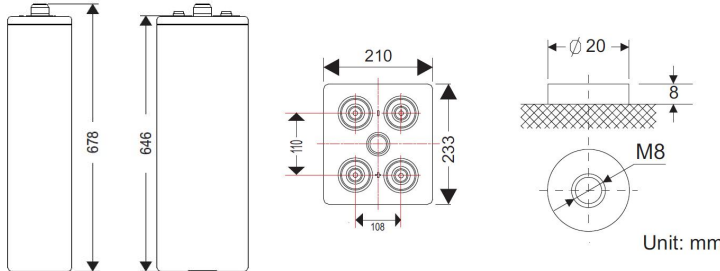


OPzV1000 Tubular GEL Battery



PHYSICAL SPECIFICATION

Nominal Voltage		2V	
Nominal Capacity (10HR)		1000Ah	
Dimension	Length	233±2mm	(9.17 inches)
	Width	210±2mm	(8.26 inches)
	Container Height	646±2mm	(25.43 inches)
	Total Height	678±2mm	(26.69 inches)
Weight		Approx. 78.0 Kg (172.0lbs)	
Standard Terminal		Bolt-and-nuts terminal Bolt Type: M8	



ELECTRICAL SPECIFICATION

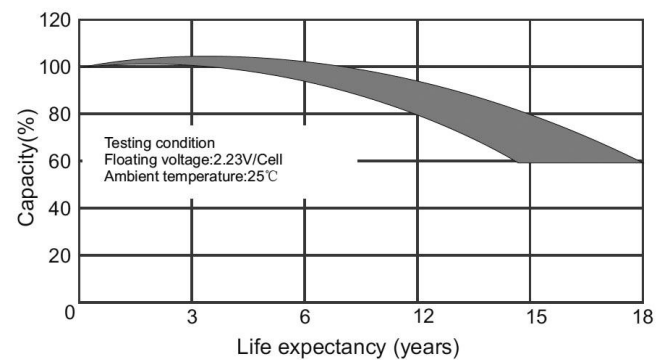
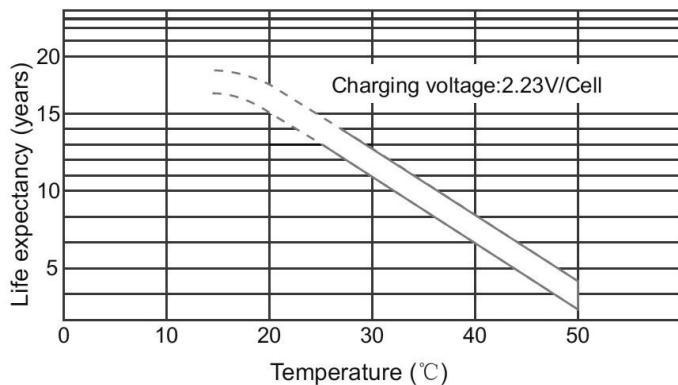
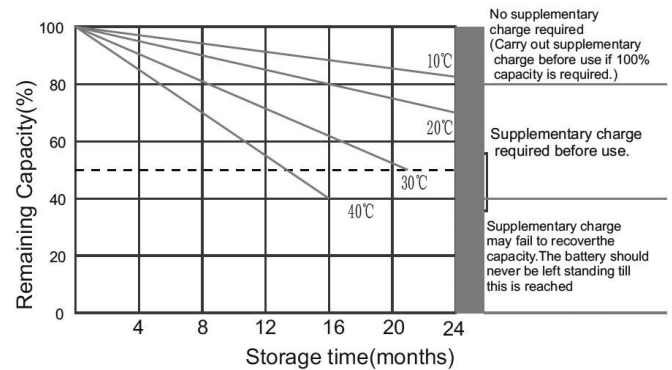
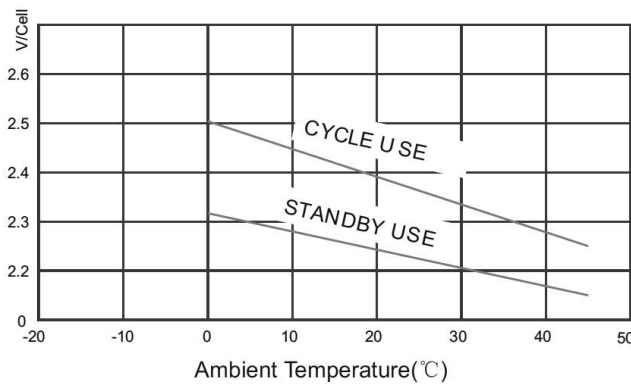
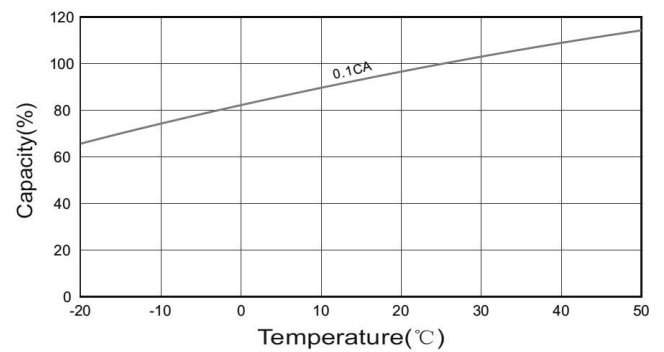
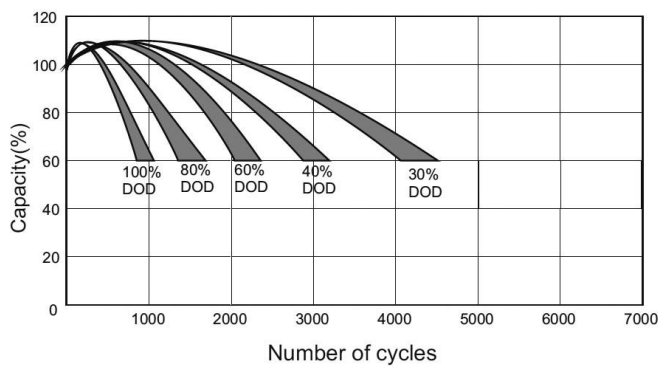
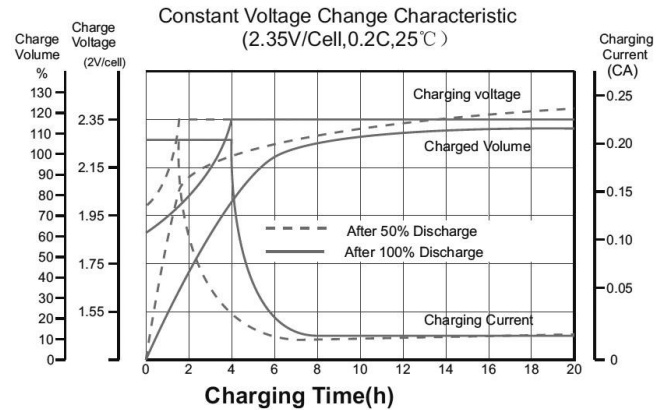
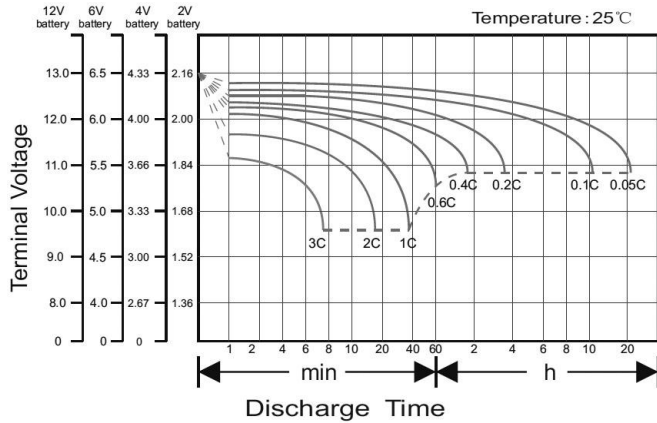
Characteristics			Main Advantages
Capacity	10 hour rate (101A to 1.80v/cell) 5 hour rate (178A to 1.70v/cell) 3 hour rate (260A to 1.70v/cell) 1hour rate (600A to 1.60v/cell)	1010Ah 890Ah 780Ah 600Ah	<ul style="list-style-type: none"> >> adopt tubular plate with GEL technology >> longest lifespan under deep discharge >> Strong temperature resistance performance >> Better charge reception capability >> 20 years design life
Operating Temp. Range	Discharge : -40°C~55°C Charge : -15°C~50°C Storage : -15°C~40°C		
Max. Discharge Current	5000A(5sec)		
Short Circuit Current	8800A		
Designed life	20 years (floating) at 25°C(77 °F)		
Internal Resistance	Full charged battery (25°C, 77 °F) 0.38mΩ		
Constant Voltage Charge	Cycle	Initial Charging Current less than :≤250.0A 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	15min	30min	1h	2h	3h	4h	5h	8h	10h
1.60V	1050	825	600	375	270	215	183	130	106
1.65V	990	785	565	365	265	210	181	129	106
1.70V	935	750	555	355	260	209	178	127	105
1.75V	875	710	520	345	255	205	175	125	104
1.80V	815	665	495	335	250	200	171	122	101

CONSTANT POWER DISCHARGE RATING WATT PER CELL@25°C

F.V/TIME	15min	30min	1h	2h	3h	4h	5h	8h	10h
1.60V	1810	1450	1095	700	510	408	347	248	203
1.65V	1730	1375	1030	685	503	400	344	246	203
1.70V	1635	1320	1015	670	495	399	340	244	202
1.75V	1545	1265	970	655	488	393	336	240	200
1.80V	1460	1215	930	640	480	385	329	235	195



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