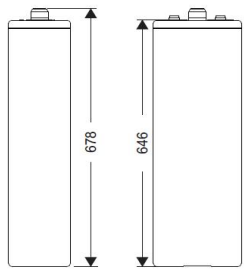
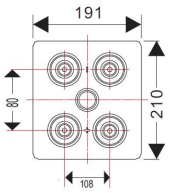
Shimastu OPzV800 Tubular GEL Battery

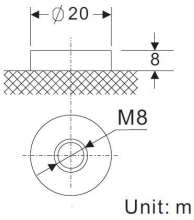
MH28269 ISO 9001 ISO 14001

PHYSICAL SPECIFICATION

Nominal Voltage Nominal Capacity (10HR)		2V 800Ah
Dimension	Length Width Container Height Total Height	191±2mm (7.52 inches) 210±2mm (8.27 inches) 646±2mm (25.43 inches) 678±2mm (26.69 inches)
Weight		Approx. 63.5 Kg ±3% (139.95lbs)
Standard Terminal		Bolt-and-nuts terminal Bolt Type: M8







ELECTRICAL SPECIFICATION

Characteristics

Capacity		10 hour rate (80.4A t0 1.80v/cell) 5 hour rate (142.4A t0 1.70v/cell) 3 hour rate (208A t0 1.70v/cell) 1hour rate (480A t0 1.60v/cell)	804Ah 712Ah 624Ah 480Ah
Operating Temp. Range		Discharge : -40℃~55℃ Charge : -15℃~50℃ Storage : -15℃~40℃	
Max. Discharge Current		4000A(5sec)	
Short Circuit Current		7300A	
Designed life		20 years (floating) at 25℃(77 ⁰F)	
Internal Resistance		Full charged battery (25℃,77 ⁰F) 0.40mΩ	
Constant Voltage Charge	Cycle	Initial Charging Current less than :≤200.0A Voltage: 2.35~2.40V at 25℃ (77 ⁰F) Temperature Coefficient –5mV/℃	
	Standby	No limit on Initial Charging Current Voltage: 2.23V at 25℃ (77 ⁰F) Temperature Coefficient –3mV/℃	

Main Advantages

- >> adopt tubular plate with GEL technology
- >> longest lifespan under deep discharge
- >> Strong temperature resistance performance
- >> Better charge reception capability
- >> 20 years design life

CONSTANT CURRENT DISCHARGE RATING A@25℃

F.V/TIME	15min	30min	1h	2h	3h	4h	5h	8h	10h
1.60V	840	660	480	300	216	172	146.0	103.6	84.8
1.65V	792	628	452	292	212	168	144.4	102.8	84.4
1.70V	748	600	444	284	208	167	142.4	101.6	84.0
1.75V	700	568	416	276	204	164	140.0	99.6	82.8
1.80V	652	532	396	268	200	160	136.8	97.2	80.4

CONSTANT POWER DISCHARGE RATING WATT PER CELL@25℃

F.V/TIME	15min	30min	1h	2h	3h	4h	5h	8h	10h
1.60V	1448	1160	876	560	408	326	277.2	198.0	162.4
1.65V	1384	1100	824	548	402	320	274.8	196.8	162.0
1.70V	1308	1056	812	536	396	319	272.0	195.2	161.6
1.75V	1236	1012	776	524	390	314	268.4	192.0	160.0
1.80V	1186	972	744	512	384	308	263.2	187.6	155.6

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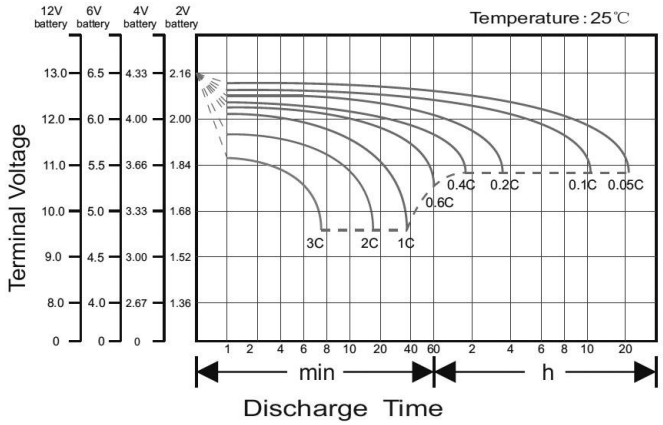

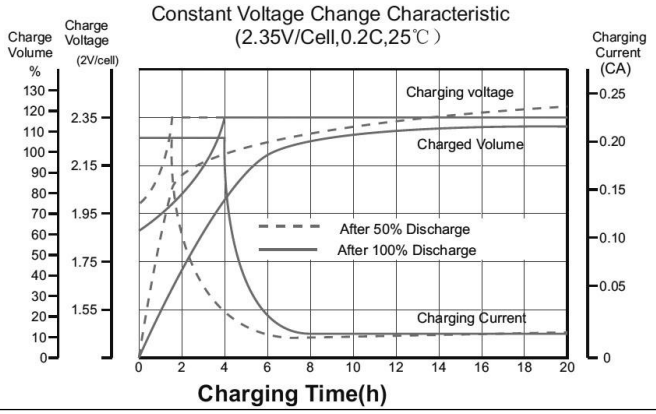

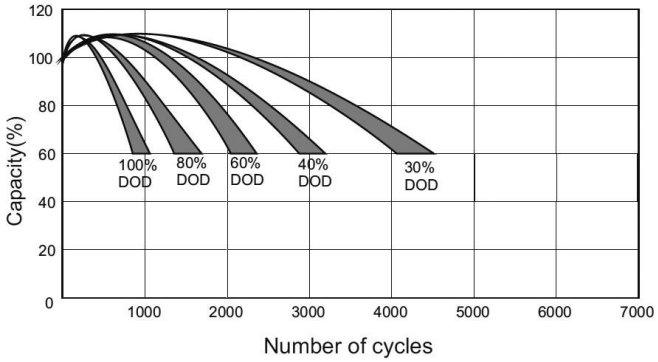

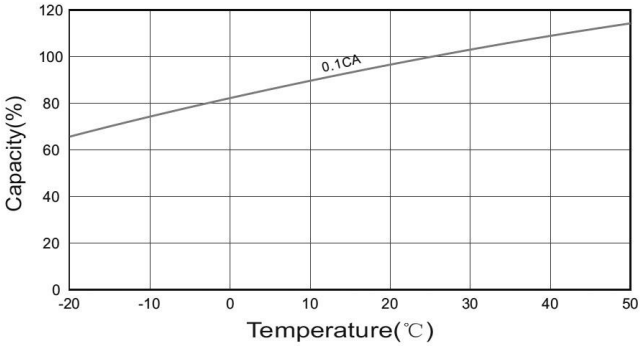

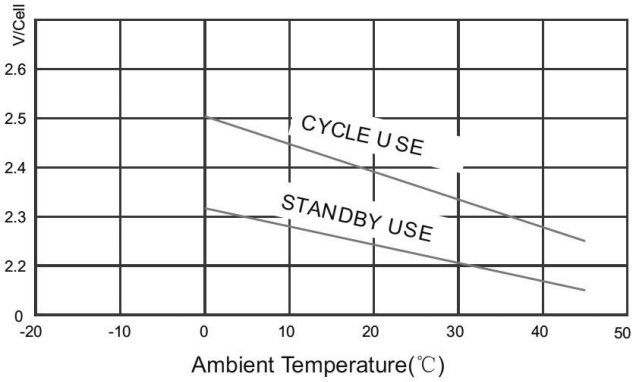

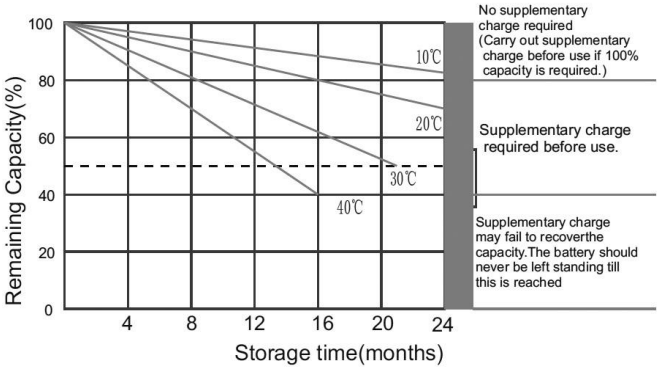

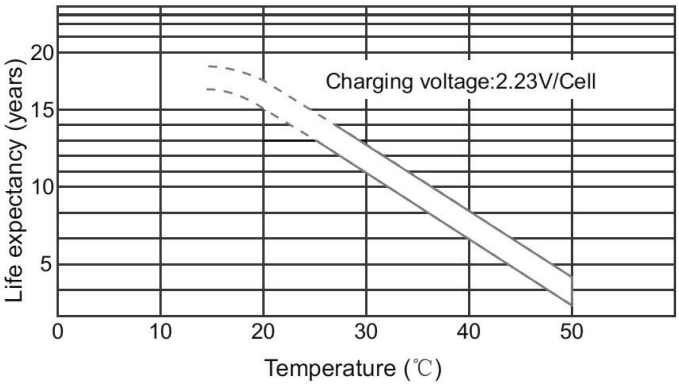

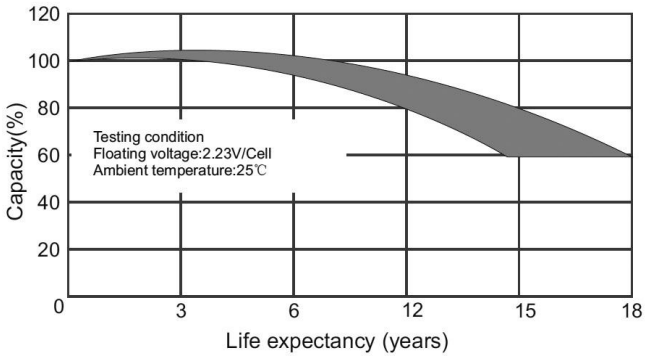

(Note) All above information shall be changed without prior notice, Shimastu reserves the right to explain and update the latest information.

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