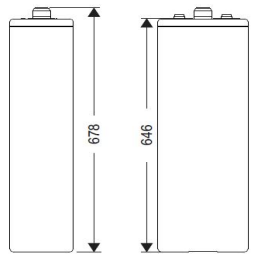
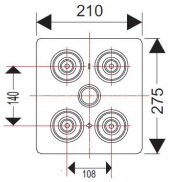
Shimastu OPzV1200 Tubular GEL Battery

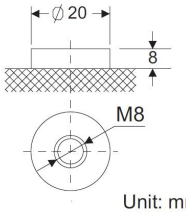
MH28269 ISO 9001 ISO 14001

PHYSICAL SPECIFICATION

Nominal Voltage Nominal Capacity (10HR)		2V 1200Ah
Dimension	Length Width Container Height Total Height	275±2mm (10.83 inches) 210±2mm (8.27 inches) 646±2mm (25.43 inches) 678±2mm (26.69 inches)
Weight		Approx. 92.5 Kg ±3% (203.87lbs)
Standard Terminal		Bolt-and-nuts terminal Bolt Type: M8







Unit: mm

ELECTRICAL SPECIFICATION

Characteristics

Capacity	10 hour rate (120.6A t0 1.80v/cell) 5 hour rate (213.6A t0 1.70v/cell) 3 hour rate (312A t0 1.70v/cell) 1hour rate (720A t0 1.60v/cell)	1206Ah 1068Ah 936Ah 720Ah
Operating Temp. Range	Discharge : -40℃~55℃ Charge : -15℃~50℃ Storage : -15℃~40℃	
Max. Discharge Current	6000A(5sec)	
Short Circuit Current	10000A	
Designed life	20 years (floating) at 25℃(77 ⁰F)	
Internal Resistance	Full charged battery (25℃,77 ⁰F) 0.35mΩ	
Constant Voltage Charge – Cycle	Initial Charging Current less than :≤300.0A Voltage: 2.35~2.40V at 25℃ (77 ⁰F) Temperature Coefficient –5mV/℃	
Constant Voltage Charge – Standby	No limit on Initial Charging Current Voltage: 2.25V 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	1260	990	720	450	324	258	219.0	155.4	127.2
1.65V	1188	942	678	438	318	252	216.6	154.2	126.6
1.70V	1122	900	666	426	312	251	213.6	152.4	126.0
1.75V	1050	852	624	414	306	246	210.0	149.4	124.2
1.80V	978	798	594	402	300	240	205.2	145.8	120.6

CONSTANT POWER DISCHARGE RATING WATT PER CELL@25℃

F.V/TIME	15min	30min	1h	2h	3h	4h	5h	8h	10h
1.60V	2172	1740	1314	840	612	489	415.8	297.0	243.6
1.65V	2076	1650	1236	822	603	479	412.2	295.2	243.0
1.70V	1962	1584	1218	804	594	478	408.0	292.8	242.4
1.75V	1854	1518	1164	786	585	471	402.6	288.0	240.0
1.80V	1752	1458	1116	768	576	461	394.8	281.4	233.4

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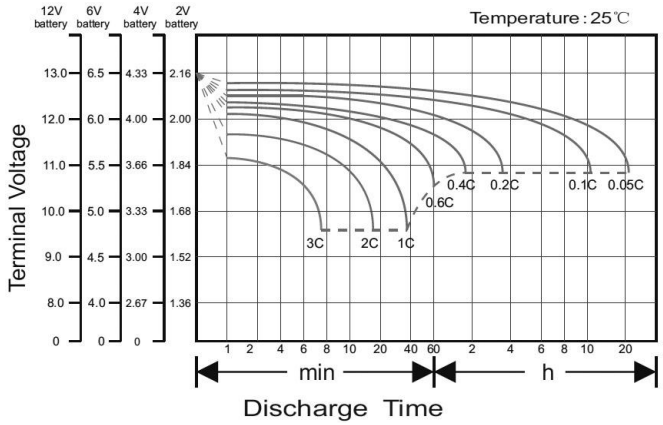

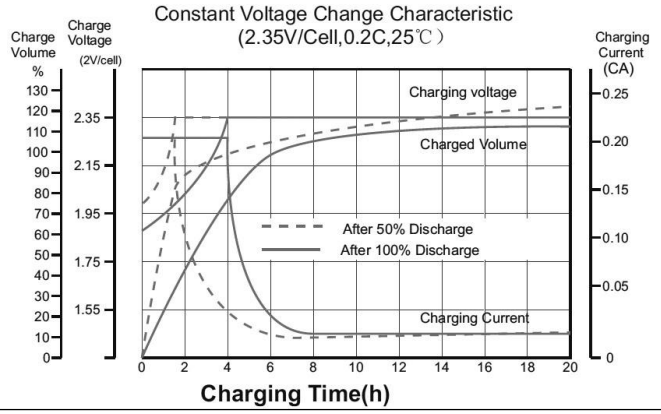

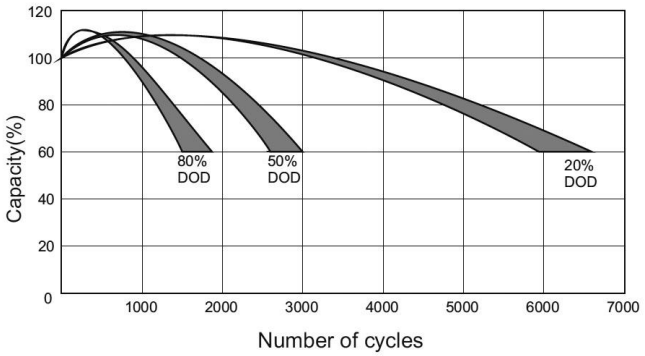

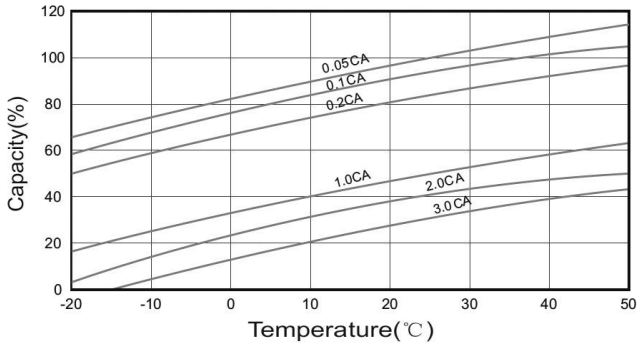

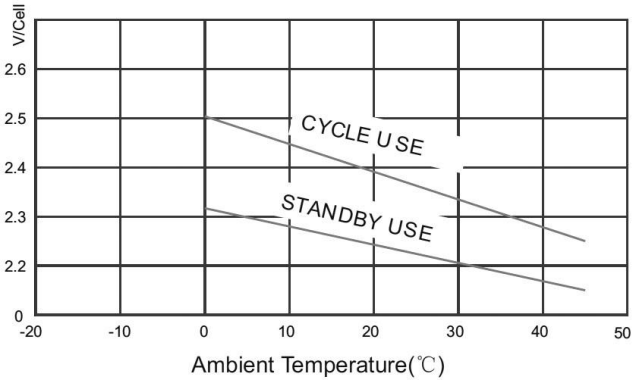

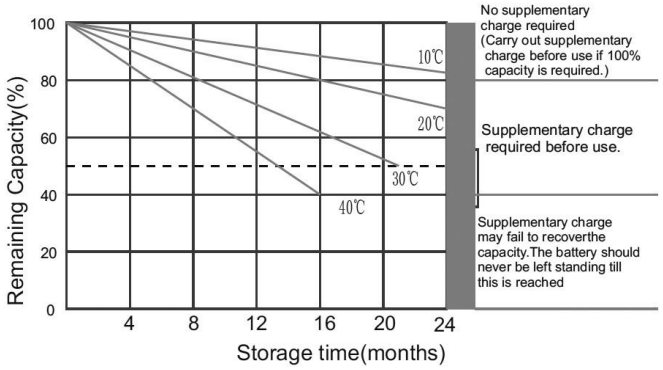

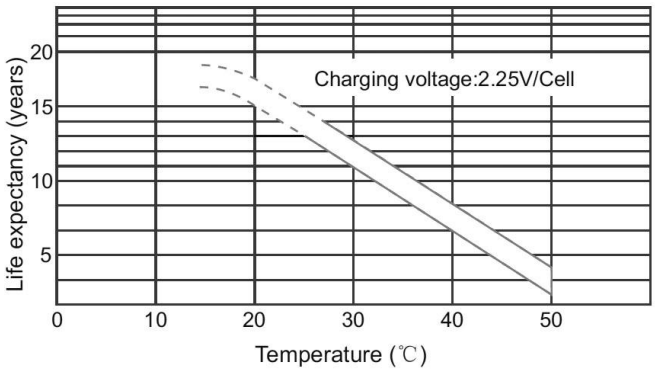

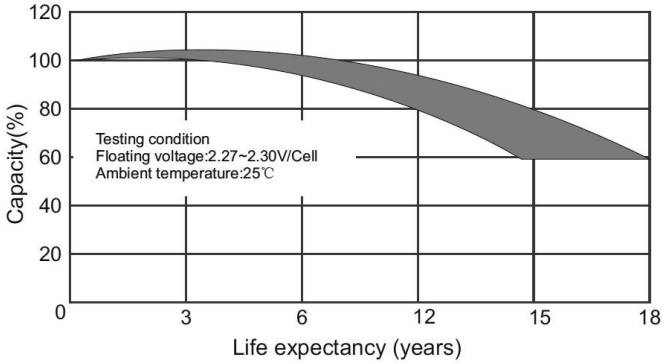

(Note) All above information shall be changed without prior notice, Shimastu reserves the right to explain and update the latest information.

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