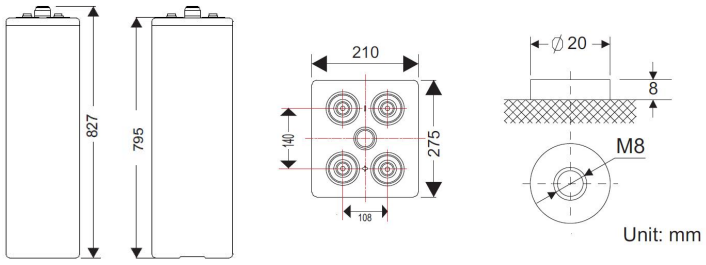
Shimastu OPzV1500 Tubular GEL Battery

MH28269 ISO 9001 ISO 14001

PHYSICAL SPECIFICATION

Nominal Voltage Nominal Capacity (10HR)		2V 1500Ah
Dimension	Length Width Container Height Total Height	275±2mm （10.83 inches） 210±2mm (8.27 inches) 795±2mm (31.30inches) 827±2mm (32.56 inches)
Weight		Approx. 113.5 Kg ±3% (250.15lbs)
Standard Terminal		Bolt-and-nuts terminal Bolt Type: M8



ELECTRICAL SPECIFICATION

Characteristics

Capacity	10 hour rate (150.8A t0 1.80v/cell) 5 hour rate (267.0A t0 1.70v/cell) 3 hour rate (390.0A t0 1.70v/cell) 1hour rate (900.0A t0 1.60v/cell)	1508Ah 1335Ah 1170Ah 900Ah
Operating Temp. Range	Discharge : -40℃~55℃ Charge : -15℃~50℃ Storage : -15℃~40℃	
Max. Discharge Current	7500A(5sec)	
Short Circuit Current	12500A	
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 :≤375.0A 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	1575	1238	900	563	405	323	273.8	194.3	159.0
1.65V	1485	1178	848	548	398	315	270.8	192.8	158.3
1.70V	1403	1125	833	533	390	314	267.0	190.5	157.5
1.75V	1313	1065	780	518	383	308	262.5	186.8	155.3
1.80V	1223	998	743	503	375	300	256.5	182.3	150.8

CONSTANT POWER DISCHARGE RATING WATT PER CELL@25℃

F.V/TIME	15min	30min	1h	2h	3h	4h	5h	8h	10h
1.60V	2715	2175	1643	1050	765	611	519.8	371.3	304.5
1.65V	2595	2063	1545	1028	754	599	515.3	369.0	303.8
1.70V	2453	1980	1523	1005	743	598	510.0	366.0	303.0
1.75V	2318	1898	1455	983	731	589	503.3	360.0	300.0
1.80V	2190	1823	1395	960	720	577	493.5	351.8	291.8

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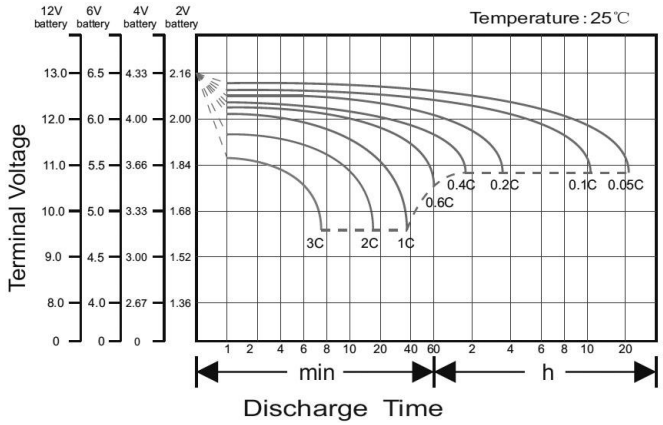

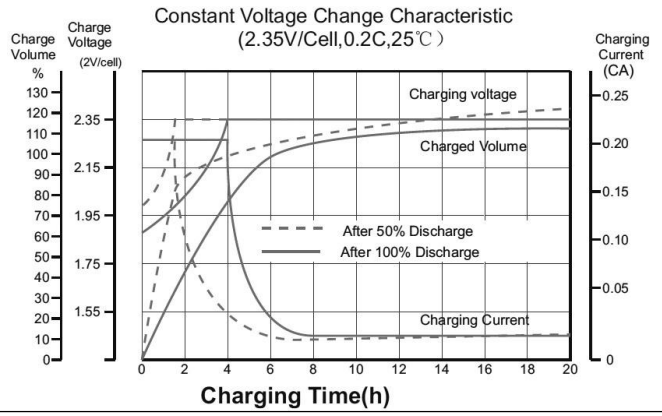

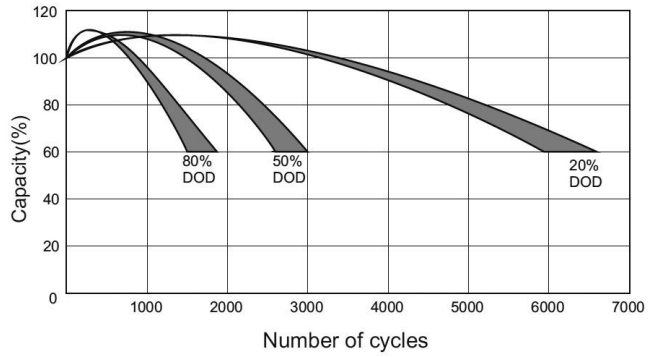

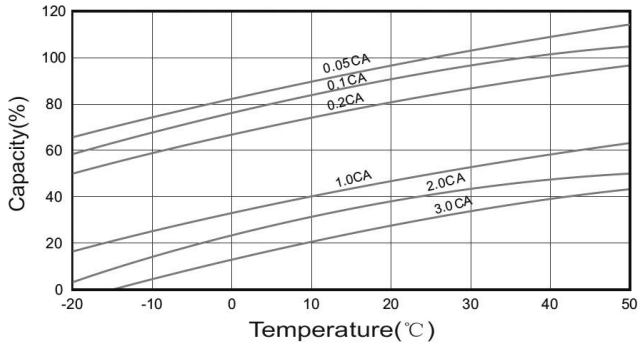

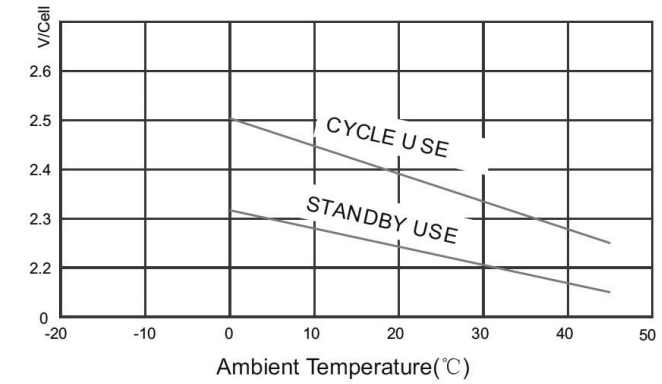

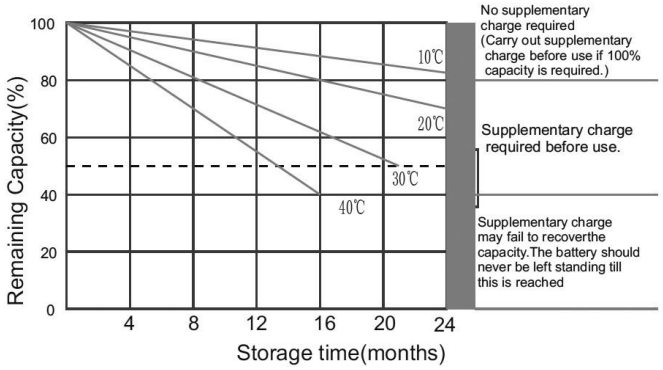

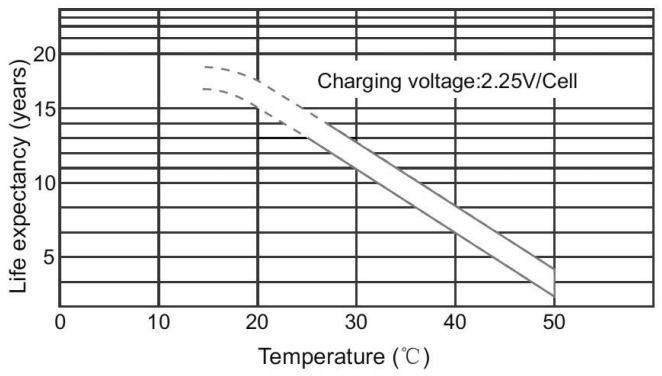

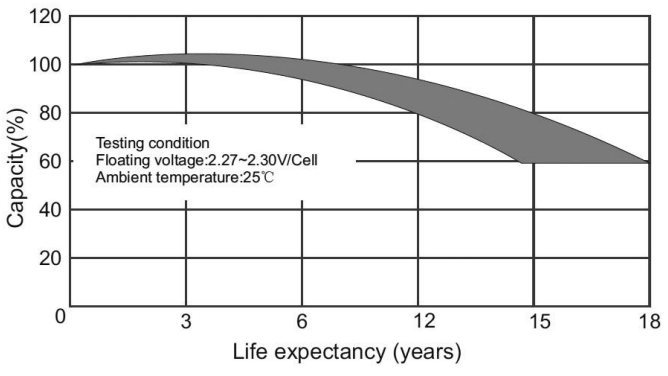

(Note) All above information shall be changed without prior notice, Shimastu reserves the right to explain and update the latest information.

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