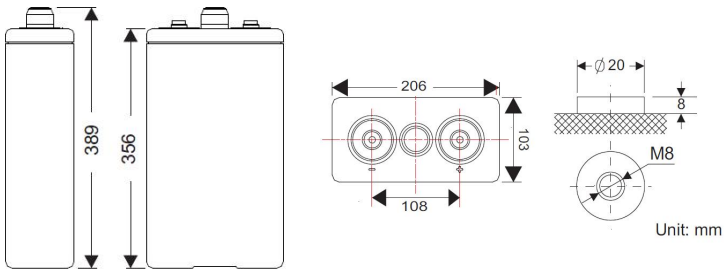
Shimastu OPzV250 Tubular GEL Battery

MH28269 ISO 9001 ISO 14001

PHYSICAL SPECIFICATION

Nominal Voltage Nominal Capacity (10HR)		2V 250Ah
Dimension	Length Width Container Height Total Height	124±2mm (4.88 inches) 206±2mm (8.11 inches) 356±2mm (14.02 inches) 389±2mm (15.31 inches)
Weight		Approx. 23.0Kg ±3% (50.69lbs)
Standard Terminal		Bolt-and-nuts terminal Bolt Type: M8



ELECTRICAL SPECIFICATION

Characteristics

Capacity		10 hour rate (25A t0 1.80v/cell) 5 hour rate (45.6A t0 1.70v/cell) 3 hour rate (65A t0 1.70v/cell) 1hour rate (150A t0 1.60v/cell)	250Ah 228Ah 195Ah 150Ah
Operating Temp. Range		Discharge : -40℃~55℃ Charge : -15℃~50℃ Storage : -20℃~40℃	
Max. Discharge Current		1500A(5sec)	
Short Circuit Current		2750A	
Designed life		20 years (floating) at 25℃(77 ⁰F)	
Internal Resistance		Full charged battery (25℃,77 ⁰F) 0.725mΩ	
Constant Voltage Charge	Cycle	Initial Charging Current less than :≤62.5A 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	263	206	150	94	68	54	45.6	32.4	26.5
1.65V	248	196	141	91	66	53	45.1	32.1	26.4
1.70V	234	188	139	89	65	52	44.5	31.8	26.3
1.75V	219	178	130	86	64	51	43.8	31.1	25.9
1.80V	204	166	124	84	63	50	42.8	30.4	25.0

CONSTANT POWER DISCHARGE RATING WATT PER CELL@25℃

F.V/TIME	15min	30min	1h	2h	3h	4h	5h	8h	10h
1.60V	453	363	274	175	128	102	86.6	61.9	50.8
1.65V	433	344	258	171	126	101	85.9	61.5	50.6
1.70V	409	330	254	168	124	100	85.0	61.0	50.5
1.75V	386	316	243	164	122	98	83.9	60.0	50.0
1.80V	365	304	233	160	120	96	82.3	58.6	48.6

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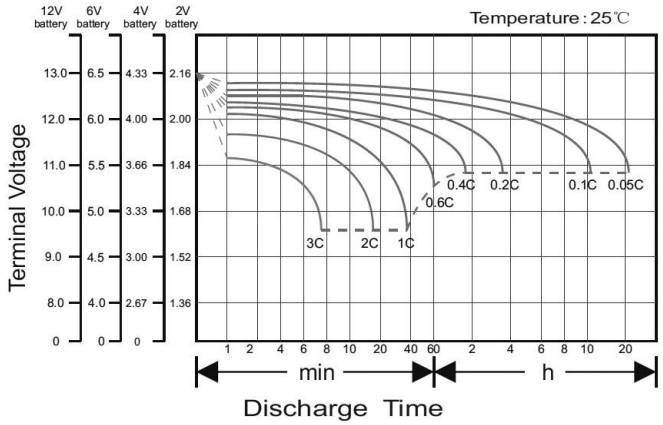

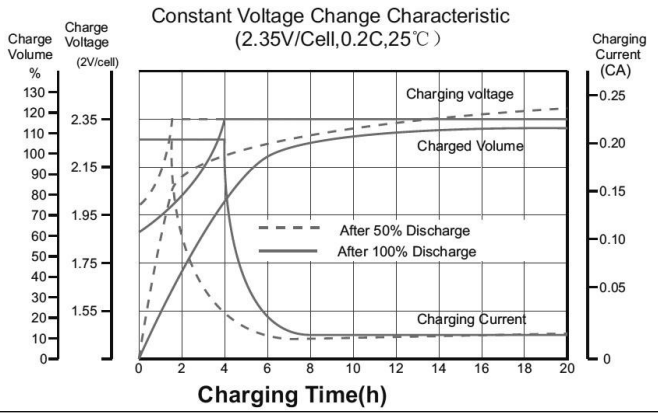

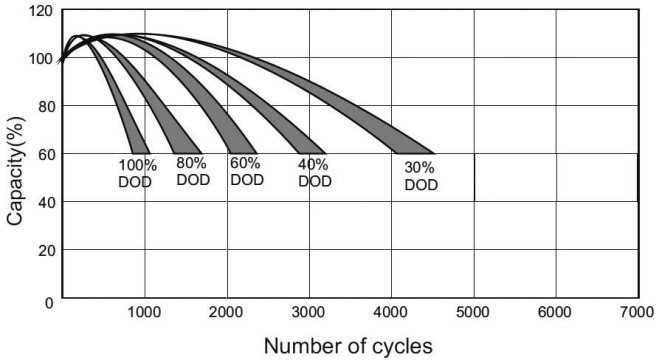

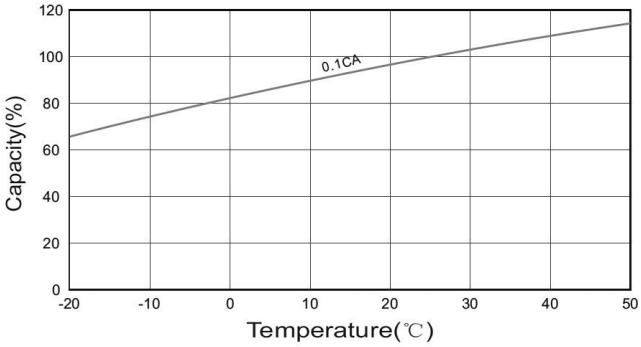

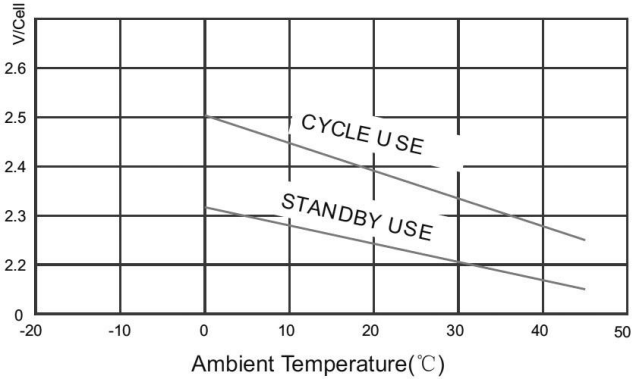

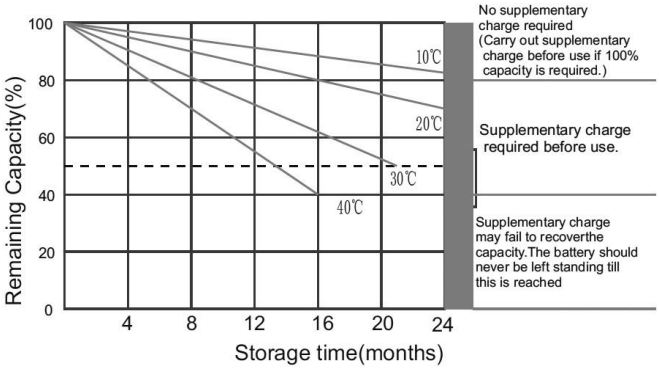

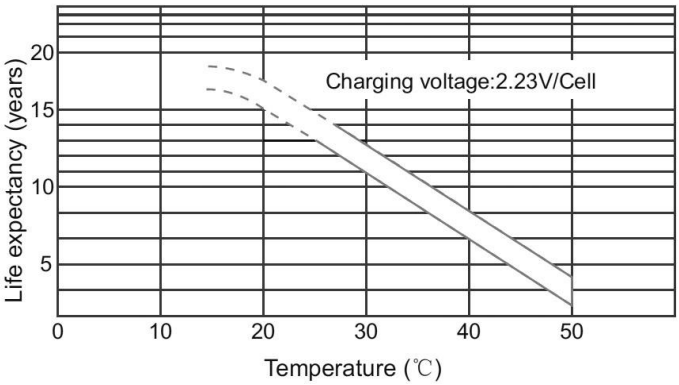

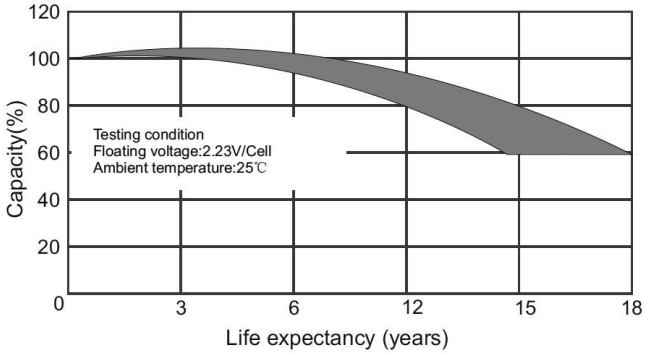

(Note) All above information shall be changed without prior notice, Shimastu reserves the right to explain and update the latest information.

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