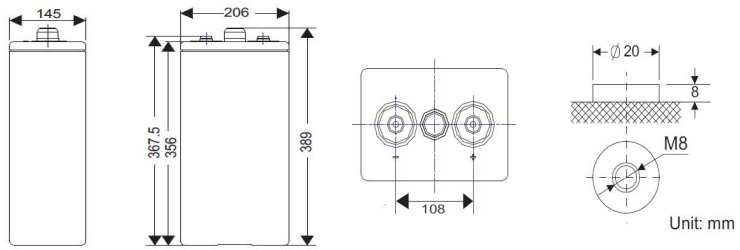
Shimastu OPzV300 Tubular GEL Battery

MH28269 CE ISO 9001 ISO 14001

PHYSICAL SPECIFICATION

Nominal Voltage Nominal Capacity (10HR)		2V 300Ah
Dimension	Length Width Container Height Total Height	145±2mm （5.71 inches） 206±2mm (8.11 inches) 356±2mm (14.02 inches) 389±2mm (15.31 inches)
Weight		Approx. 26.5 Kg ±3% (58.41lbs)
Standard Terminal		Bolt-and-nuts terminal Bolt Type: M8



ELECTRICAL SPECIFICATION

Characteristics

Capacity	10 hour rate (30.2A t0 1.80v/cell) 5 hour rate (53.4A t0 1.70v/cell) 3 hour rate (78A t0 1.70v/cell) 1hour rate (180A t0 1.60v/cell)	302Ah 267Ah 234Ah 180Ah
Operating Temp. Range	Discharge : -40℃~55℃ Charge : -15℃~50℃ Storage : -20℃~40℃	
Max. Discharge Current	1200A(5sec)	
Short Circuit Current	3300A	
Designed life	20 years (floating) at 25℃(77 ⁰F)	
Internal Resistance	Full charged battery (25℃,77 ⁰F) 0.60mΩ	
Constant Voltage Charge — Cycle	Initial Charging Current less than :≤75A Voltage: 2.35~2.40V at 25℃ (77 ⁰F) Temperature Coefficient –5mV/℃	
Constant Voltage Charge — 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	315	248	180	113	81	65	54.8	38.9	31.8
1.65V	297	236	170	110	80	64	54.2	38.6	31.7
1.70V	281	225	167	107	78	63	53.4	38.1	31.5
1.75V	263	213	156	104	77	62	52.5	37.4	31.1
1.80V	245	200	149	101	75	60	51.3	36.5	30.2

CONSTANT POWER DISCHARGE RATING WATT PER CELL@25℃

F.V/TIME	15min	30min	1h	2h	3h	4h	5h	8h	10h
1.60V	543	435	329	210	153	122	104.0	74.3	60.9
1.65V	519	413	309	206	151	121	103.1	73.8	60.8
1.70V	491	396	305	201	149	120	102.0	73.2	60.6
1.75V	464	380	291	197	146	118	100.7	72.0	60.0
1.80V	438	365	279	192	144	115	98.7	70.4	58.4

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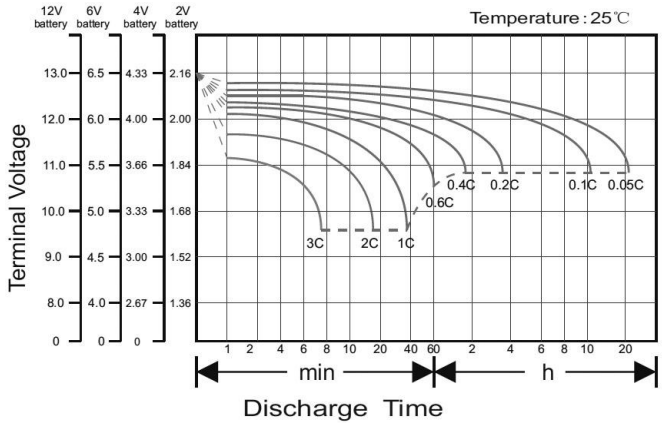

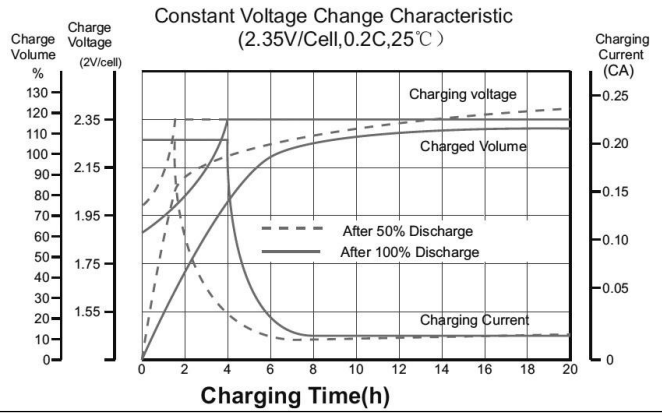

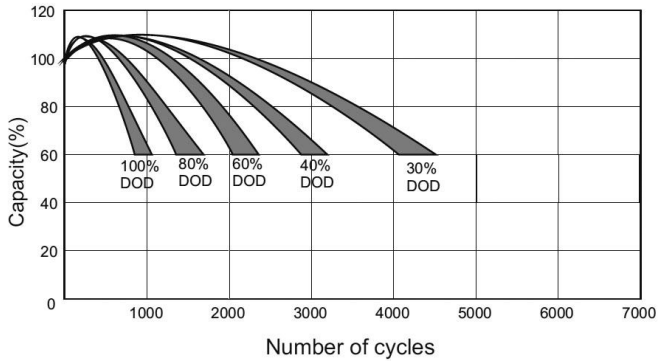

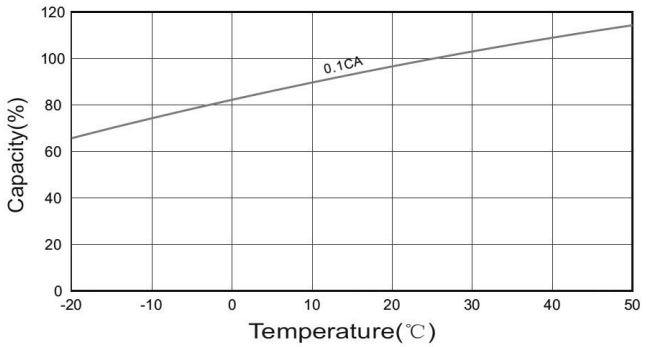

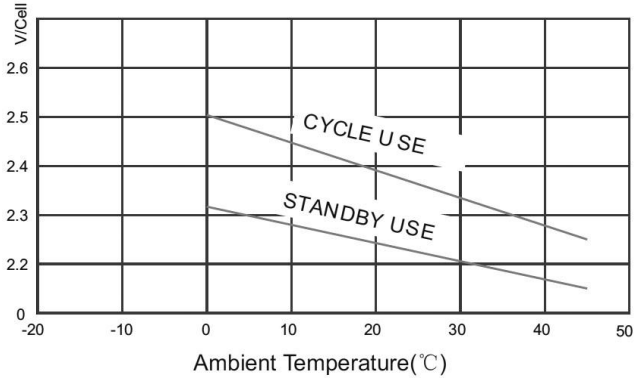

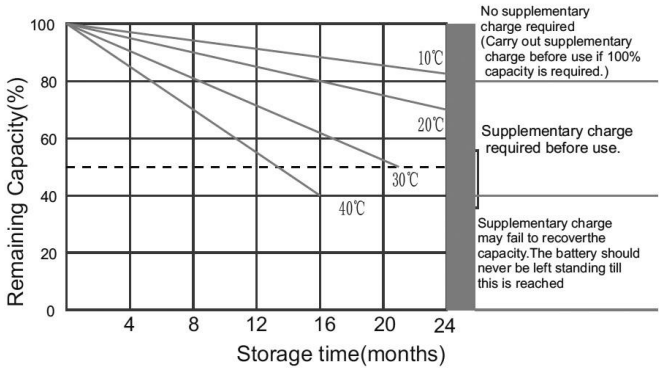

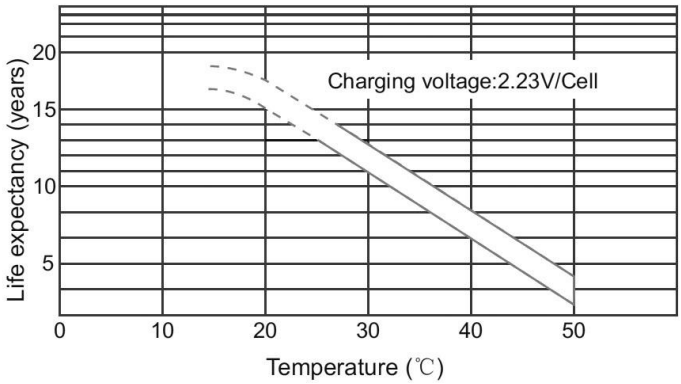

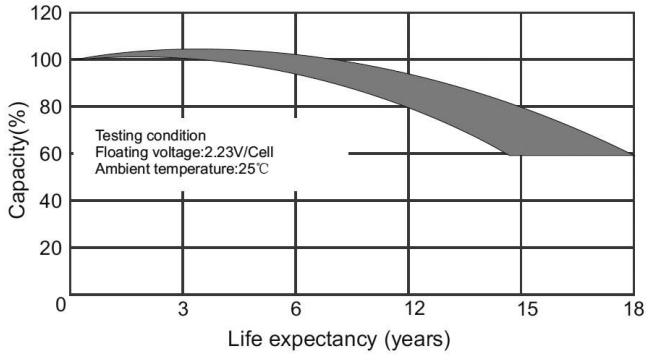

(Note) All above information shall be changed without prior notice, Shimastu reserves the right to explain and update the latest information.

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