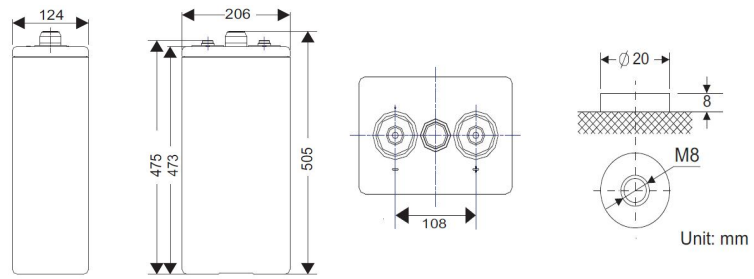
Shimastu OPzV350 Tubular GEL Battery

ISO 9001
ISO 14001
MH28269

PHYSICAL SPECIFICATION

Nominal Voltage Nominal Capacity (10HR)		2V 350Ah
Dimension	Length Width Container Height Total Height	124±2mm （4.88 inches） 206±2mm (8.11 inches) 473±2mm (18.62 inches) 505±2mm (19.88 inches)
Weight		Approx. 28.5 Kg ±3% (62.8lbs)
Standard Terminal		Bolt-and-nuts terminal Bolt Type: M8



ELECTRICAL SPECIFICATION

Characteristics

Capacity		10 hour rate (35.2A t0 1.80v/cell) 5 hour rate (62.3A t0 1.70v/cell) 3 hour rate (91A t0 1.70v/cell) 1hour rate (210A t0 1.60v/cell)	352Ah 311.5Ah 273Ah 210Ah
Operating Temp. Range		Discharge : -40℃~55℃ Charge : -15℃~50℃ Storage : -20℃~40℃	
Max. Discharge Current		1400A(5sec)	
Short Circuit Current		3800A	
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 :≤87.5A 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	368	289	210	131	95	75	63.9	45.3	37.1
1.65V	347	275	198	128	93	74	63.2	45.0	36.9
1.70V	327	263	194	124	91	73	62.3	44.5	36.8
1.75V	306	249	182	121	89	72	61.3	43.6	36.2
1.80V	285	233	173	117	88	70	59.9	42.5	35.2

CONSTANT POWER DISCHARGE RATING WATT PER CELL@25℃

F.V/TIME	15min	30min	1h	2h	3h	4h	5h	8h	10h
1.60V	634	508	383	245	179	143	121.3	86.6	71.1
1.65V	606	481	361	240	176	140	120.2	86.1	70.9
1.70V	572	462	355	235	173	139	119.0	85.4	70.7
1.75V	541	443	340	229	171	137	117.4	84.0	70.0
1.80V	511	425	326	224	168	135	115.2	82.1	68.1

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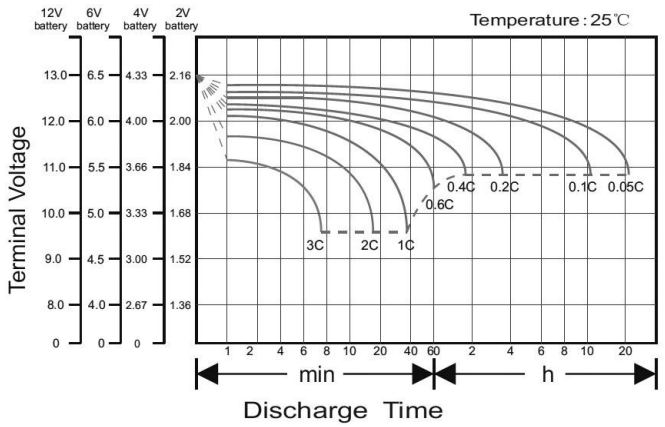

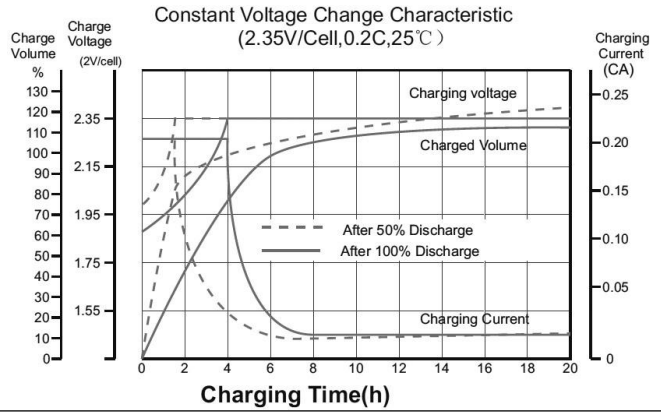

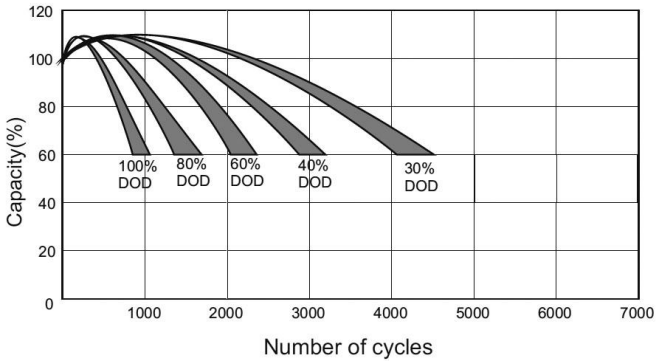

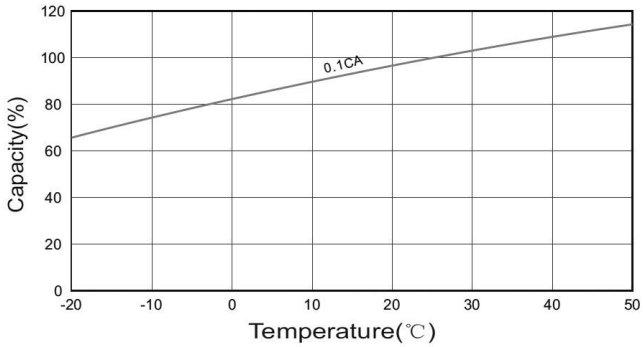

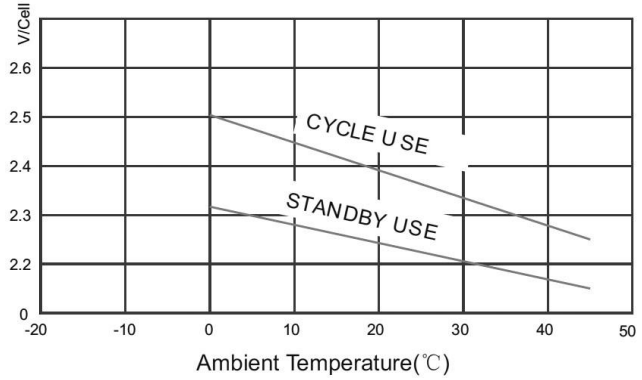

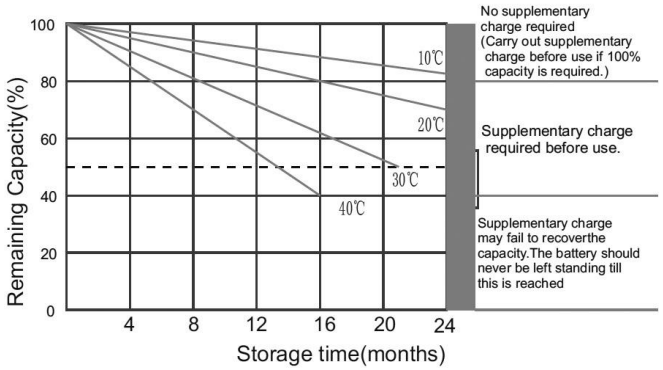

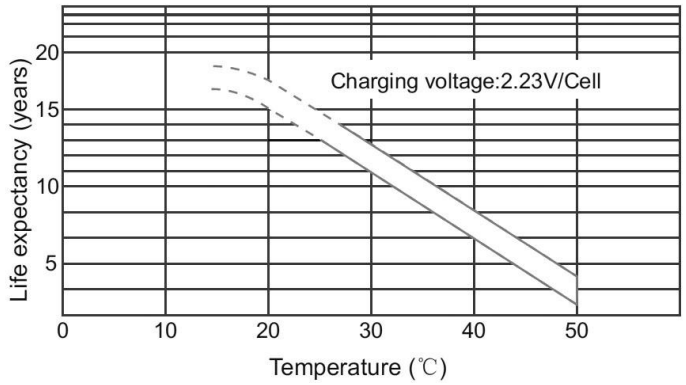

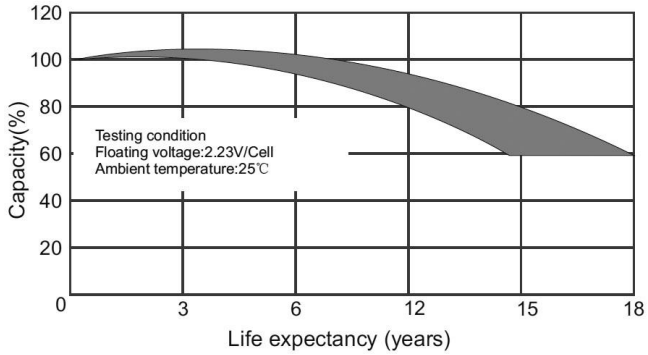

(Note) All above information shall be changed without prior notice, Shimastu reserves the right to explain and update the latest information.

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