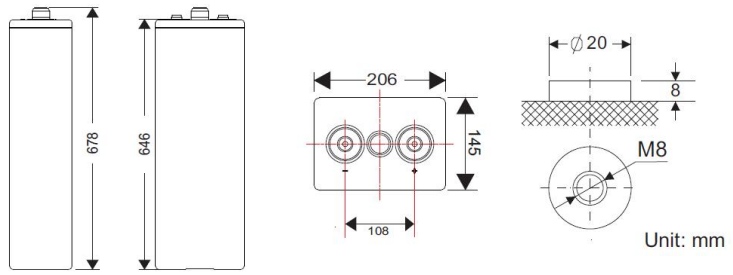
Shimastu OPzV600 Tubular GEL Battery

ISO 9001
ISO 14001
MH28269

PHYSICAL SPECIFICATION

Nominal Voltage Nominal Capacity (10HR)		2V 600Ah
Dimension	Length Width Container Height Total Height	145±2mm （5.71 inches） 206±2mm (8.11 inches) 646±2mm (25.43 inches) 678±2mm (26.69 inches)
Weight		Approx. 47.0 Kg ±3% (103.59lbs)
Standard Terminal		Bolt-and-nuts terminal Bolt Type: M8



ELECTRICAL SPECIFICATION

Characteristics

Capacity		10 hour rate (60.5A t0 1.80v/cell) 5 hour rate (106.8A t0 1.70v/cell) 3 hour rate (156A t0 1.70v/cell) 1hour rate (360A t0 1.60v/cell)	605Ah 534Ah 468Ah 360Ah
Operating Temp. Range		Discharge : -40℃~55℃ Charge : -15℃~50℃ Storage : -20℃~40℃	
Max. Discharge Current		3000A(5sec)	
Short Circuit Current		6200A	
Designed life		20 years (floating) at 25℃(77 ⁰F)	
Internal Resistance		Full charged battery (25℃,77 ⁰F) 0.42mΩ	
Constant Voltage Charge	Cycle	Initial Charging Current less than :≤150.0A 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℃

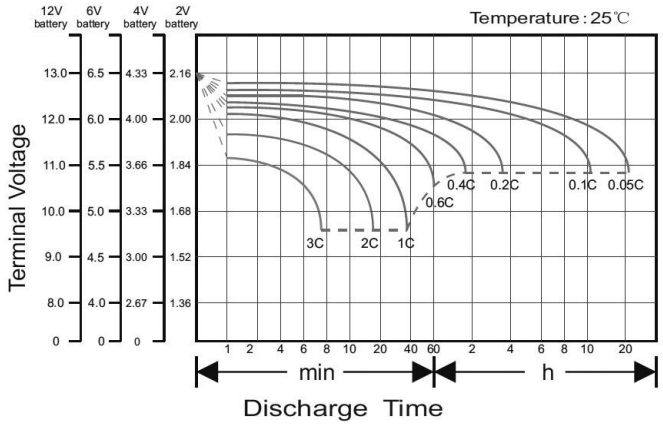
F.V/TIME	15min	30min	1h	2h	3h	4h	5h	8h	10h
1.60V	630	495	360	225	162	129	109.5	77.7	63.6
1.65V	594	471	339	219	159	126	108.3	77.1	63.3
1.70V	561	450	333	213	156	125	106.8	76.2	63.0
1.75V	525	426	312	207	153	123	105.0	74.7	62.1
1.80V	489	399	297	201	150	120	102.6	72.9	60.3

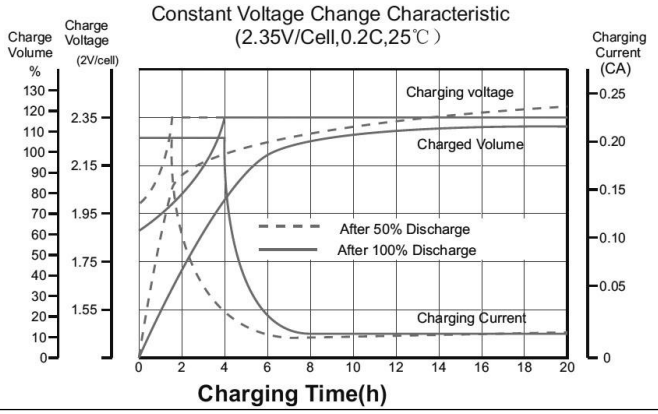
CONSTANT POWER DISCHARGE RATING WATT PER CELL@25℃

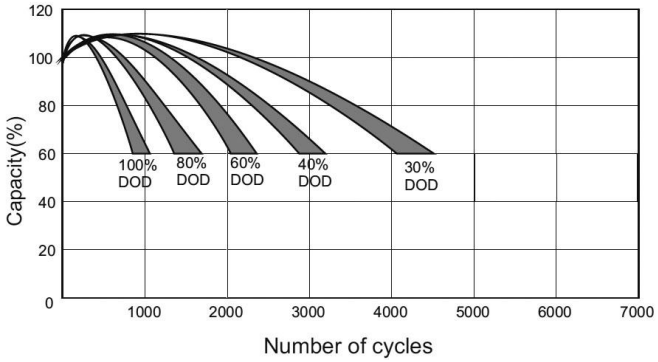
F.V/TIME	15min	30min	1h	2h	3h	4h	5h	8h	10h
1.60V	1086	870	657	420	306	245	207.9	148.5	121.8
1.65V	1038	825	618	411	302	240	206.1	147.6	121.5
1.70V	981	792	609	402	297	239	204.0	146.4	121.2
1.75V	927	759	582	393	293	231	201.3	144.0	120.0
1.80V	876	672	558	384	288	227	197.4	140.7	116.7

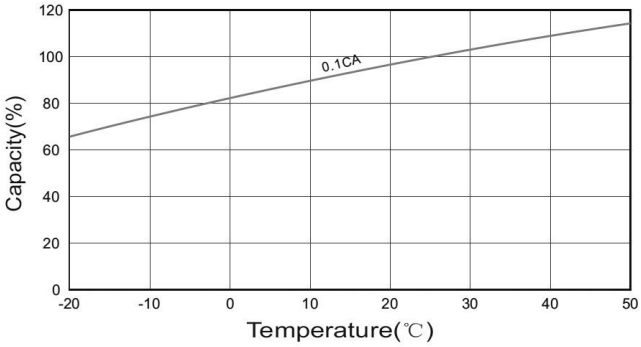
Shimastu OPzV600 Tubular GEL Battery

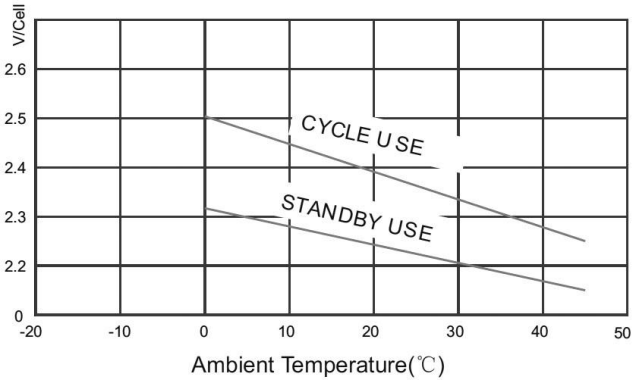
ISO 9001
ISO 14001
MH28269

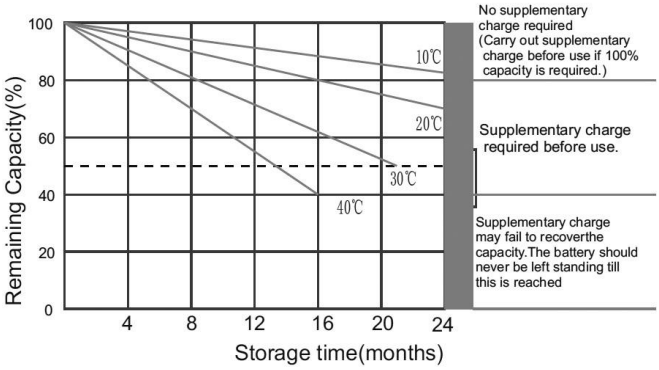


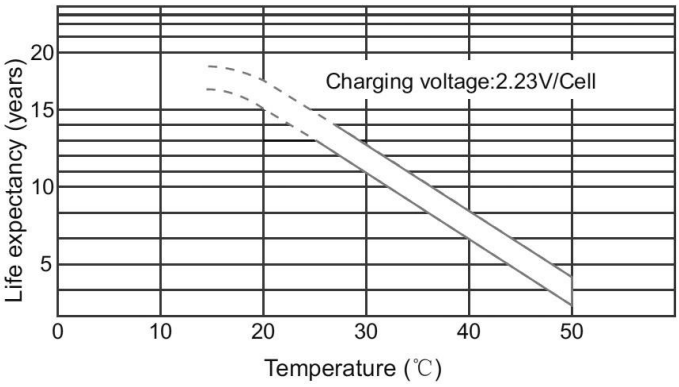


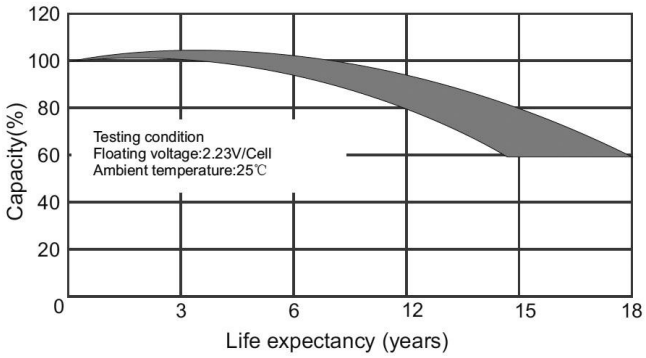












(Note) All above information shall be changed without prior notice, Shimastu reserves the right to explain and update the latest information.

Shimastu Electronic Techonlcgy Co.,Limited URL: www.shimastu.com

TeL:+86-760-23133619 Fax:+86-760-23133629 Email:export@shimastu.com