

PHYSICAL SPECIFICATION

Nominal Voltage		2V	
Nominal Capacity (10HR)		200Ah	
Dimension	Length	103±2mm	(4.05 inches)
	Width	206±2mm	(8.11 inches)
	Container Height	355±2mm	(13.98 inches)
	Total Height	410±2mm	(16.14 inches)
Weight		Approx. 17.5 Kg (38.57lbs)	
Standard Terminal		Bolt-and-nuts terminal Bolt Type: M8	

Unit: mm



ELECTRICAL SPECIFICATION

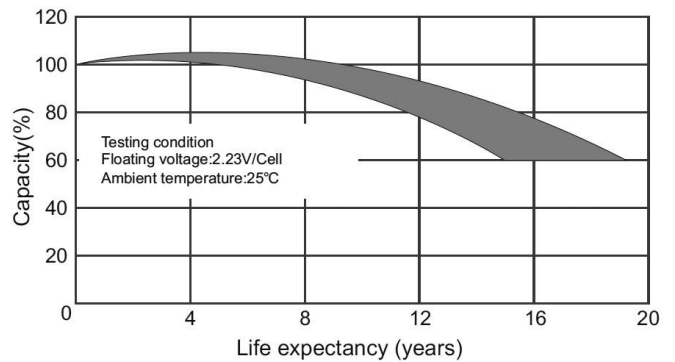
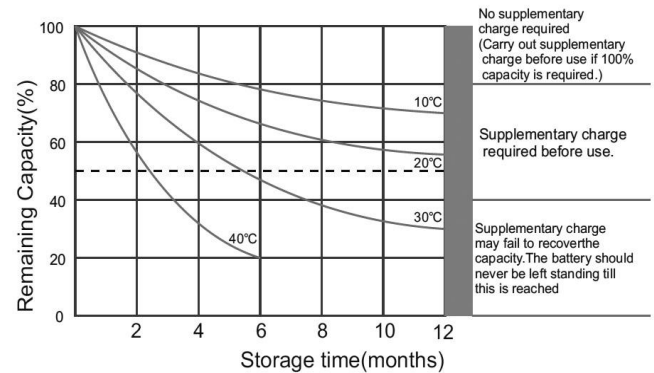
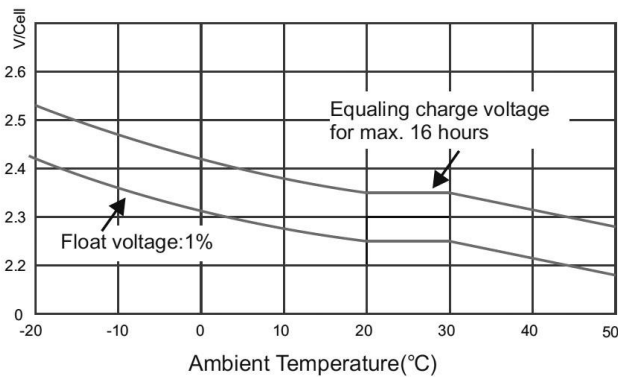
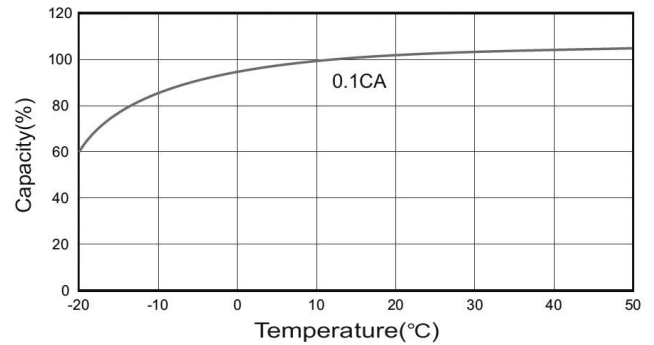
Characteristics			Main Advantages
Capacity	20 hour rate (12.41A to 1.80v/cell) 10 hour rate (21.13A to 1.80v/cell) 5 hour rate (36.08A to 1.75v/cell) 1hour rate (121.2A to 1.60v/cell)	248.2Ah 211.3Ah 180.4Ah 121.2Ah	>> adopt tubular positive plate >> longest lifespan under deep discharge >> Strong temperature resistance performance >> Better charge reception capability >> 20 years design life
Operating Temp. Range	Discharge : -20°C~55°C Charge : -10°C~45°C Storage : -15°C~45°C		
Max. Discharge Current	1000A(5sec)		
Short Circuit Current	2200A		
Designed life	20 years (floating) at 25°C (77 °F)		
Internal Resistance	Full charged battery (25°C, 77 °F) 0.9mΩ		
Constant Voltage Charge	Cycle	Initial Charging Current less than :≤50A Voltage: 2.35~2.40V at 25°C (77 °F) Temperature Coefficient -5mV/°C	
	Standby	No limit on Initial Charging Current Voltage: 2.23V at 25°C (77 °F) Temperature Coefficient -3mV/°C	

CONSTANT CURRENT DISCHARGE RATING A@25°C

F.V/TIME	30min	1h	2h	3h	4h	5h	8h	10h	24h
1.60V	169	115	73	52	41	36	25.5	21.2	9.44
1.65V	163	113	71	51	41	35	25.3	21.1	9.44
1.70V	156	109	69	50	40	35	25.0	21.0	9.34
1.75V	150	106	67	49	40	34	24.6	20.7	9.18
1.80V	137	101	65	48	39	33	23.9	20.1	8.96
1.85V	122	94	61	47	38	32	23.3	19.8	8.68

CONSTANT POWER DISCHARGE RATING WATT PER CELL@25°C

F.V/TIME	30min	1h	2h	3h	4h	5h	8h	10h	24h
1.60V	307	213	133	96	77	66	47.4	39.4	17.62
1.65V	300	208	130	95	76	65	47.1	39.3	17.58
1.70V	288	202	127	93	75	64	46.4	39.1	17.38
1.75V	278	197	125	91	74	64	45.8	38.7	17.24
1.80V	257	190	122	91	73	63	45.5	37.8	17.02
1.85V	232	178	116	89	72	62	44.6	38.0	16.82



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