

PHYSICAL SPECIFICATION

Nominal Voltage		2V	
Nominal Capacity (10HR)		100Ah	
Dimension	Length	103±2mm	(4.06 inches)
	Width	206±2mm	(8.11 inches)
	Container Height	356±2mm	(14.02 inches)
	Total Height	389±2mm	(15.31 inches)
Weight		Approx. 13.0Kg ±3% (28.65lbs)	
Standard Terminal		Bolt-and-nuts terminal Bolt Type: M8	

Unit: mm



ELECTRICAL SPECIFICATION

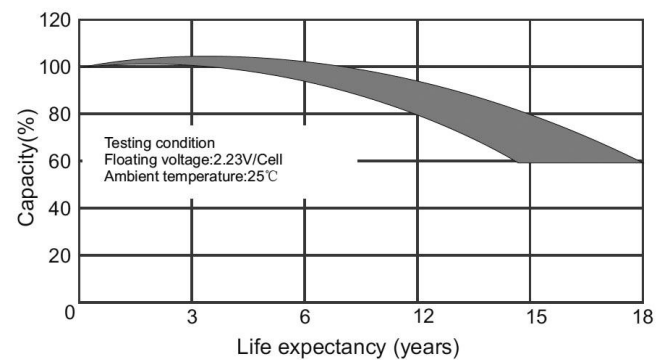
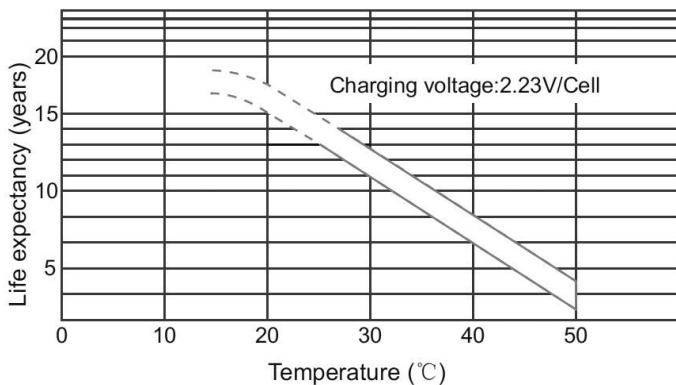
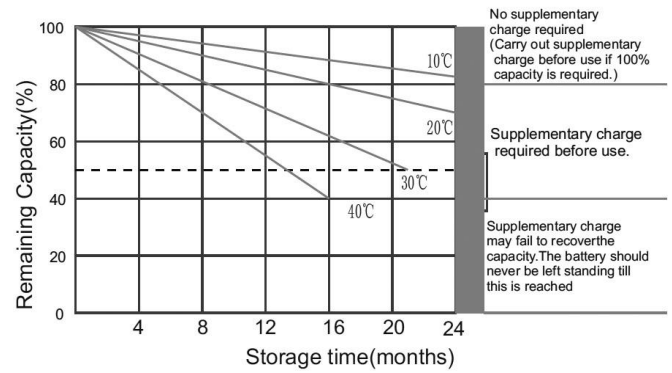
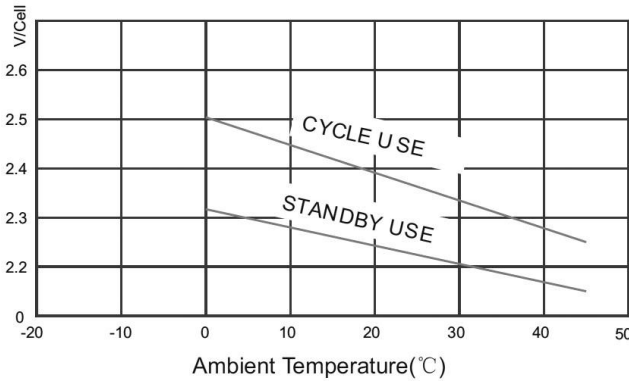
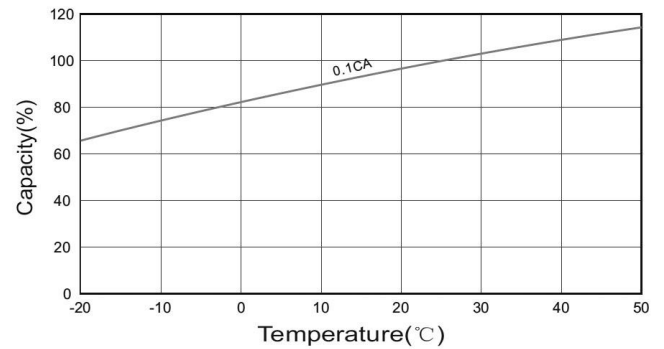
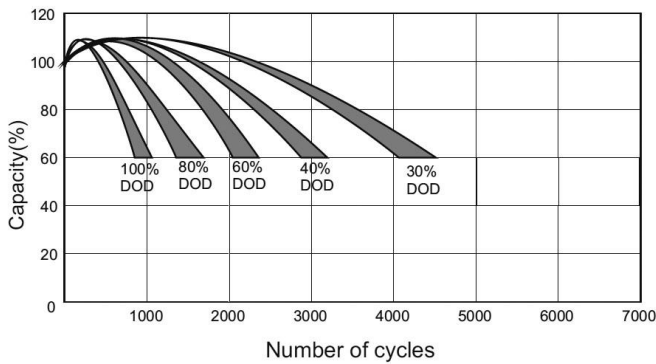
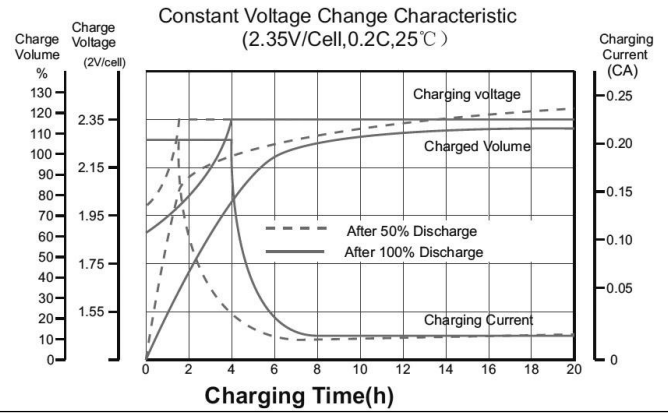
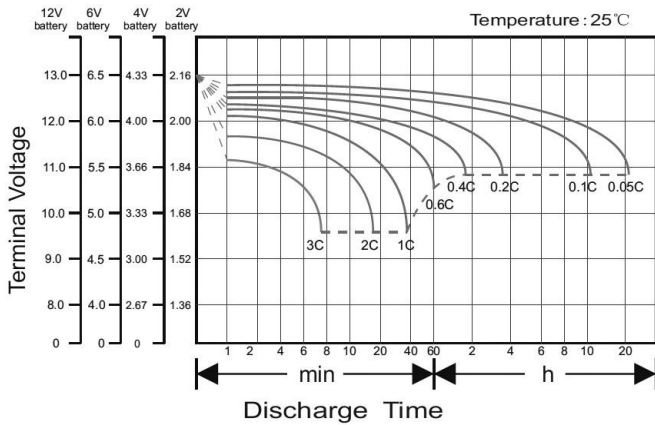
Characteristics			Main Advantages
Capacity	10 hour rate (10A to 1.80v/cell) 5 hour rate (17.8A to 1.70v/cell) 3 hour rate (26A to 1.70v/cell) 1hour rate (60A to 1.60v/cell)	100Ah 89Ah 78Ah 60Ah	<ul style="list-style-type: none"> >> adopt tubular plate with GEL technology >> longest lifespan under deep discharge >> Strong temperature resistance performance >> Better charge reception capability >> 20 years design life
Operating Temp. Range	Discharge : -40°C~55°C Charge : -15°C~50°C Storage : -15°C~40°C		
Max. Discharge Current	500A(5sec)		
Short Circuit Current	1100A		
Designed life	20 years (floating) at 25°C (77 °F)		
Internal Resistance	Full charged battery (25°C, 77 °F) 0.85mΩ		
Constant Voltage Charge	Cycle	Initial Charging Current less than :≤25A 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	15min	30min	1h	2h	3h	4h	5h	8h	10h
1.60V	105	82.5	60.0	37.5	27.0	21.5	18.25	12.95	10.55
1.65V	99.0	78.5	56.5	36.5	26.5	21.0	18.05	12.85	10.50
1.70V	93.5	75.0	55.5	35.5	26.0	20.8	17.80	12.70	10.45
1.75V	87.5	71.0	52.0	34.5	25.5	20.5	17.50	12.45	10.30
1.80V	81.5	66.5	49.5	33.5	25.0	20.0	17.10	12.15	10.00

CONSTANT POWER DISCHARGE RATING WATT PER CELL@25°C

F.V/TIME	15min	30min	1h	2h	3h	4h	5h	8h	10h
1.60V	181.0	145.0	109.5	70.0	51.0	40.75	34.65	24.75	20.30
1.65V	173.0	137.5	103.0	68.5	50.3	39.95	34.35	24.60	20.25
1.70V	163.5	132.0	101.5	67.0	49.5	39.85	34.00	24.40	20.20
1.75V	154.5	126.5	97.0	65.5	48.8	39.25	33.55	24.00	20.00
1.80V	146.0	121.5	93.0	64.0	48.0	38.45	32.90	23.45	19.45



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