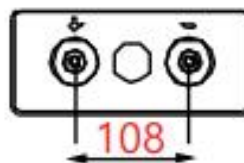
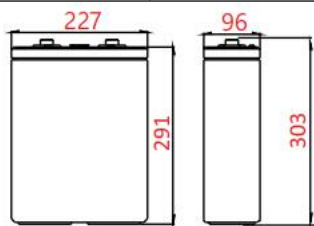


PHYSICAL SPECIFICATION

Nominal Voltage		2V
Nominal Capacity (10HR)		200Ah
Dimension	Length	227±2mm (8.94 inches)
	Width	96±2mm (3.78 inches)
	Container Height	291±2mm (11.45 inches)
	Total Height	303±2mm (11.93 inches)
Weight		Approx. 17 Kg (37.5lbs) ±5%
Standard Terminal		Bolt-and-nuts terminal Bolt Type: M8



ELECTRICAL SPECIFICATION

Characteristics			Application
Capacity	120 hour rate (2A to 1.85v/cell) 10 hour rate (20A to 1.80v/cell)	240Ah 200Ah	<ul style="list-style-type: none"> ● Home energy storage system ● Smart power grids and microgrid system ● Distributed energy storage system ● Hybrid energy storage system such as solar and wind ● Solar power generation grid/off-grid energy storage system ● Emergency lighting system ● Generator and battery hybrid energy system ● Other standby, cycling system
Operating Temp. Range	Operation(recommended):15°C~25°C Operation(maximum):-40°C~50°C		
Designed life	20 years (floating) at 25°C(77 °F)		
Internal Resistance	0.55 mΩ		
Short-Circuit Current	3700A		
Max. charging current	60A		
Max. constant charging current	40A		
Constant Voltage Charge	Cycle	2.30V/cell (25°C)	
	Floating	2.25V/cell (25°C)	

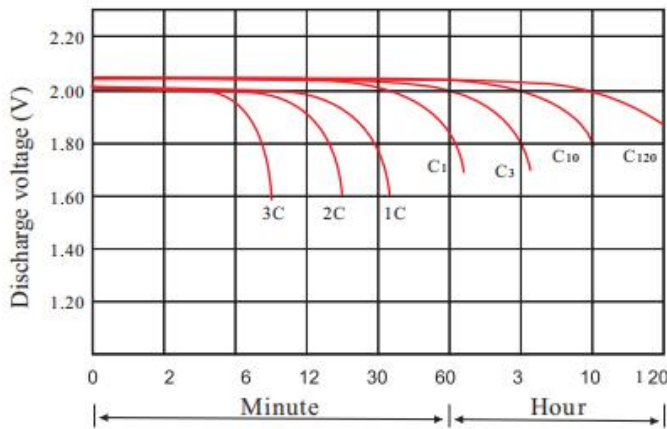
CONSTANT CURRENT DISCHARGE RATING A@25°C

F.V./TIME	1h	3h	5h	8h	10h	24h	48h	72h	120h
1.75V	113.1	52.0	36.1	25.3	21.1	9.40	4.90	3.30	2.10
1.80V	105.9	50.4	35.3	24.8	20.6	9.20	4.70	3.30	2.10
1.83V	99.2	48.8	34.4	24.4	20.2	9.00	4.60	3.20	2.00
1.85V	95.6	47.8	34.1	24.1	20.0	8.90	4.60	3.20	2.00
1.88V	91.6	46.8	33.7	23.8	19.9	8.90	4.60	3.10	1.90

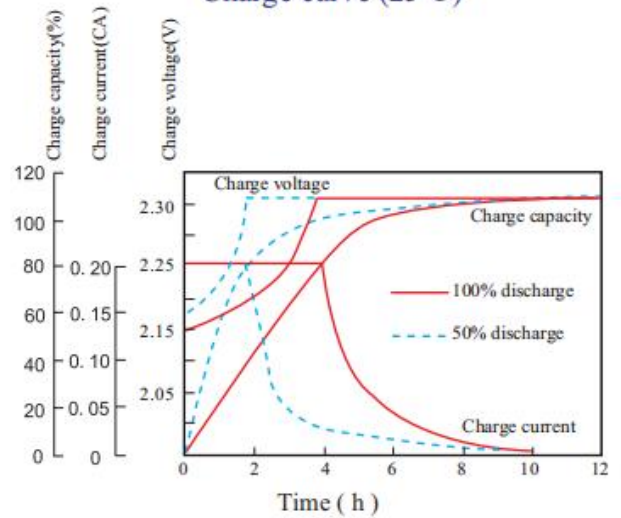
CONSTANT POWER DISCHARGE RATING WATT PER CELL@25°C

F.V./TIME	15min	30min	1h	2h	3h	4h	5h	8h	10h
1.75V	493.7	372.6	228.4	149.7	106.9	87.7	74.5	49.1	41.2
1.80V	448.9	360.7	223.1	147.0	103.1	84.9	72.4	47.8	40.6
1.83V	425.1	342.2	215.1	141.0	100.6	83.6	70.9	46.9	39.8
1.85V	413.0	324.6	202.9	135.0	97.7	81.6	69.1	46.2	39.0
1.88V	371.5	304.3	190.7	125.5	94.3	78.8	66.8	45.0	38.0

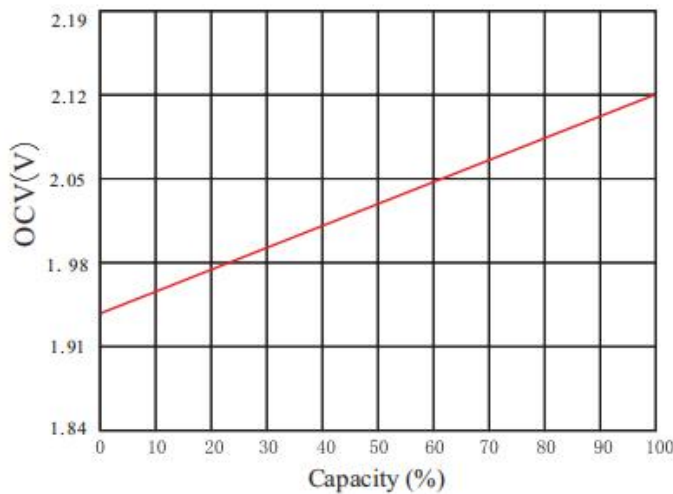
Discharge curve at different rate (25 °C)



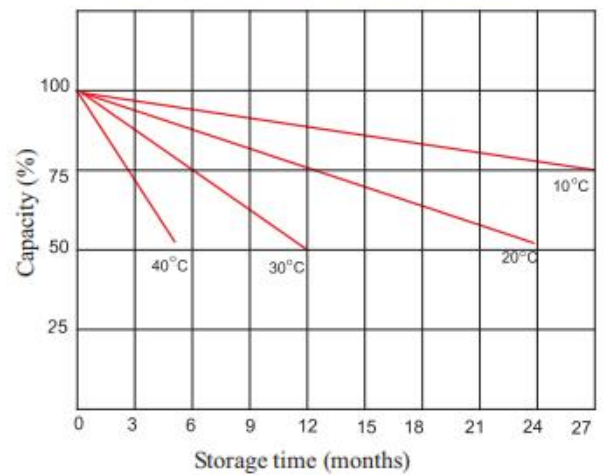
Charge curve (25 °C)



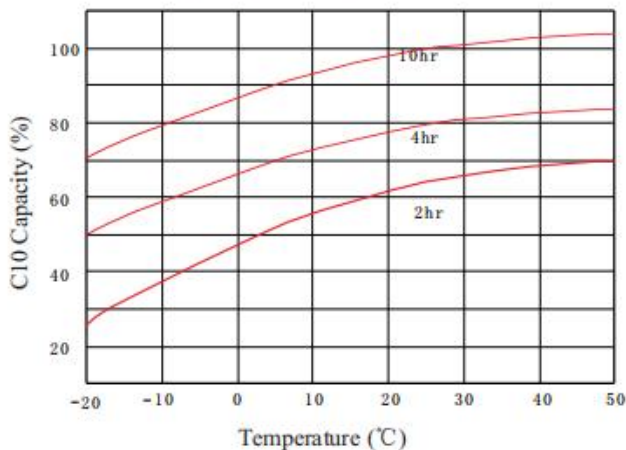
Capacity vs OCV curve



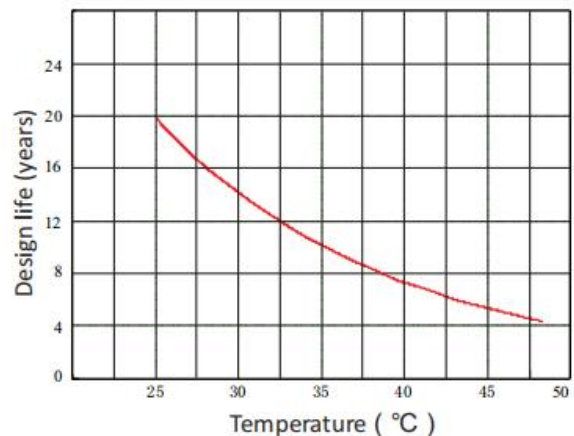
Residue capacity vs storage time



Capacity vs temperature curve



Design life vs temperature



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