

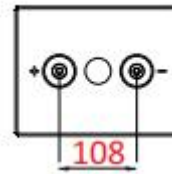
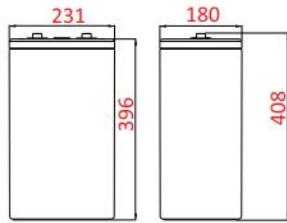


SLC600-2(2V600AH)



PHYSICAL SPECIFICATION

Nominal Voltage		2V
Nominal Capacity (10HR)		600Ah
Dimension	Length	231±2mm (9.09 inches)
	Width	180±2mm (7.09 inches)
	Container Height	396±2mm (15.59 inches)
	Total Height	408±2mm (16.06 inches)
Weight		Approx. 46 Kg (101.4lbs) ±5%
Standard Terminal		Bolt-and-nuts terminal Bolt Type: M8



ELECTRICAL SPECIFICATION

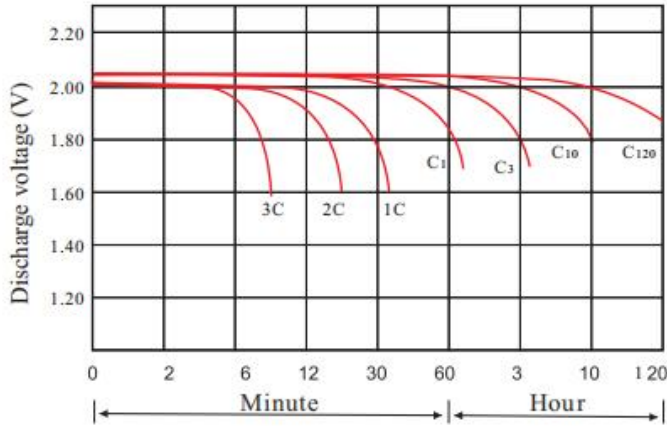
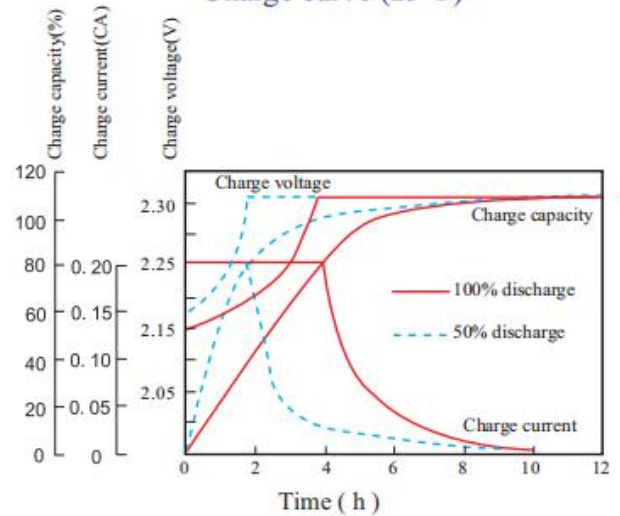
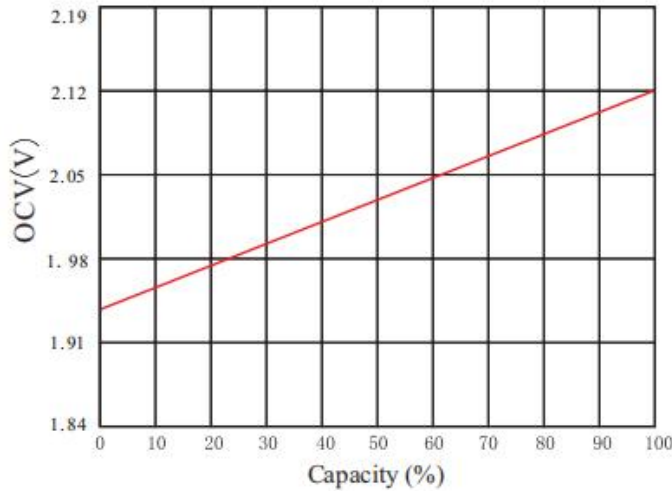
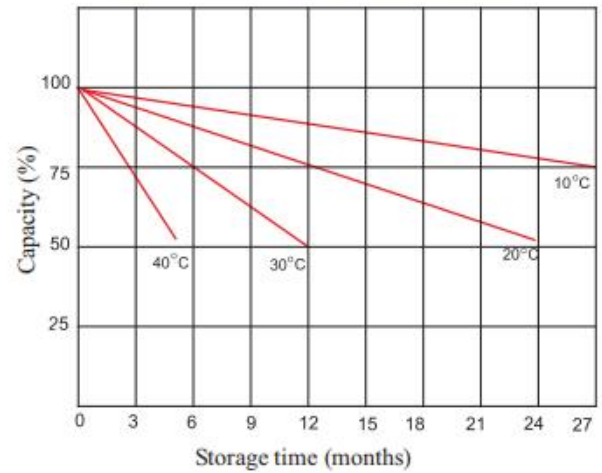
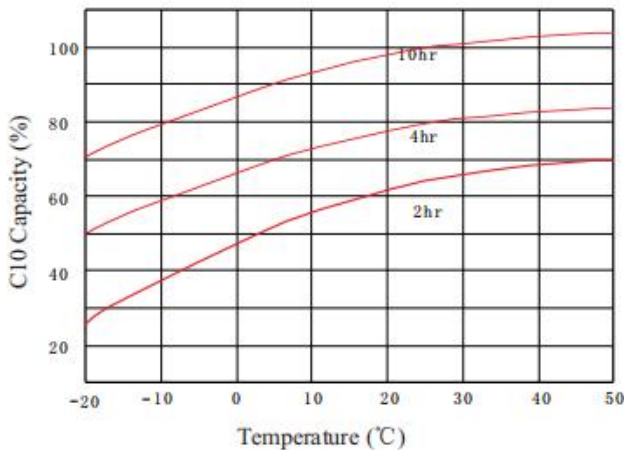
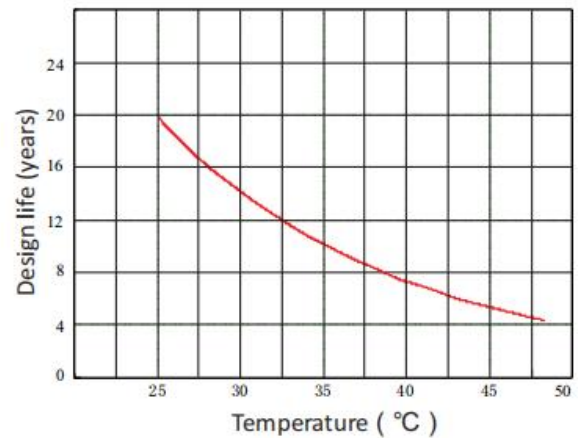
Characteristics			Application
Capacity	120 hour rate (6A to 1.85v/cell) 10 hour rate (60A to 1.80v/cell)	720Ah 600Ah	<ul style="list-style-type: none"> ● Home energy storage system ● Smart power grids and microgrid system ● Distributed energy storage system ● Hybrid energy storage system such as solar 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	0.23 mΩ		
Short-Circuit Current	8614A		
Max. charging current	180A		
Max. constant charging current	120A		
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	339.3	155.9	108.3	75.8	63.2	28.2	14.6	10.0	6.30
1.80V	317.8	151.2	105.8	74.4	61.8	27.7	14.2	9.70	6.20
1.83V	297.6	146.3	103.3	73.1	60.5	27.1	13.9	9.50	6.10
1.85V	286.9	143.4	102.3	72.3	60.1	26.8	13.8	9.50	6.00
1.88V	274.8	140.5	101.2	71.4	59.6	26.6	13.7	9.40	5.90

CONSTANT POWER DISCHARGE RATING WATT PER CELL@25°C

F.V/TIME	15min	30min	1h	2h	3h	4h	5h	8h	10h
1.75V	1480	1033.1	698.8	453.7	323.9	263.2	223.6	147.2	123.6
1.80V	1392	996.6	682.7	445.3	312.5	254.7	217.3	143.4	121.7
1.83V	1311	939.9	658.3	427.2	304.9	250.9	212.8	140.6	119.3
1.85V	1224	886.2	620.9	409.2	295.9	244.9	207.2	138.7	117.0
1.88V	1138	824.1	583.4	380.3	285.8	236.5	200.4	134.9	114.1

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.