

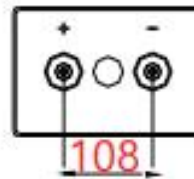
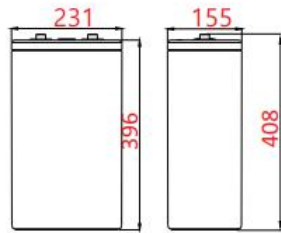


SLC500-2(2V500AH)



PHYSICAL SPECIFICATION

Nominal Voltage		2V
Nominal Capacity (10HR)		500Ah
Dimension	Length	231±2mm (9.09 inches)
	Width	155±2mm (6.10 inches)
	Container Height	396±2mm (15.59 inches)
	Total Height	408±2mm (16.06 inches)
Weight		Approx. 39 Kg (85.9lbs) ±5%
Standard Terminal		Bolt-and-nuts terminal Bolt Type: M8



ELECTRICAL SPECIFICATION

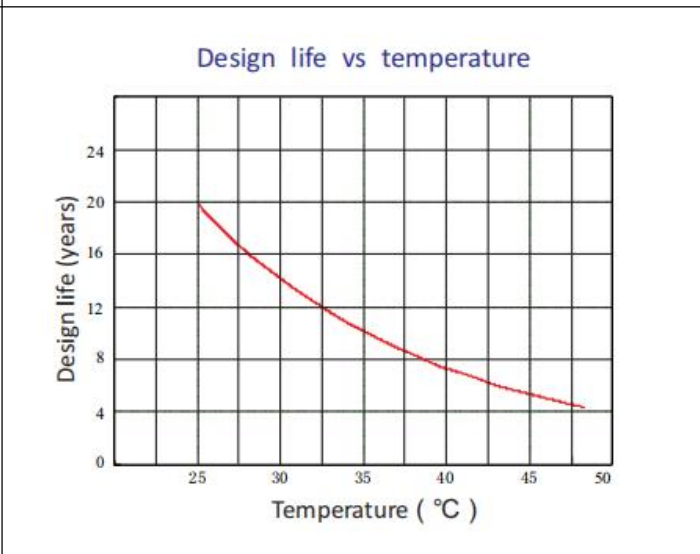
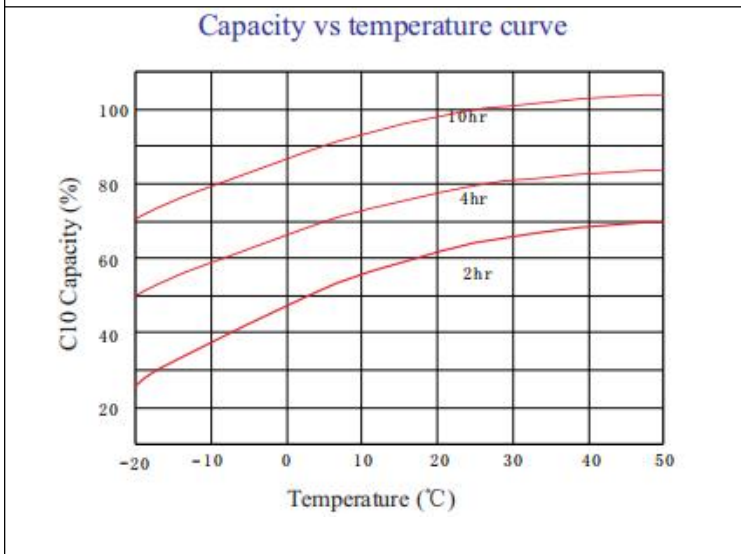
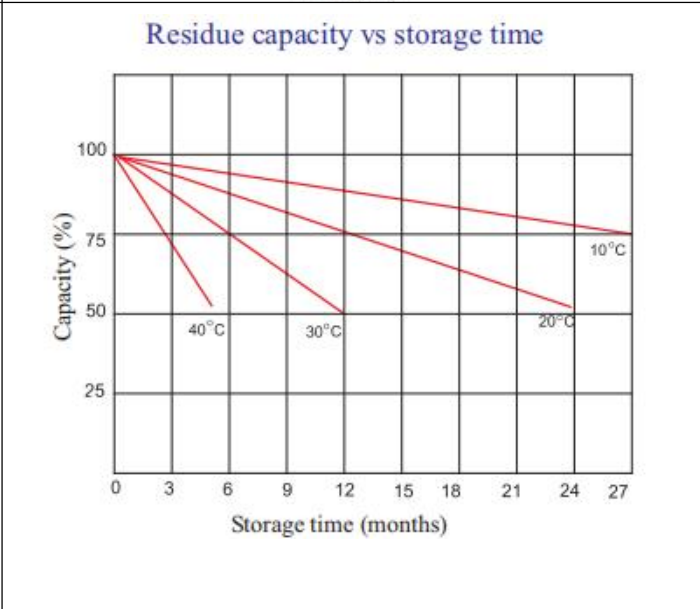
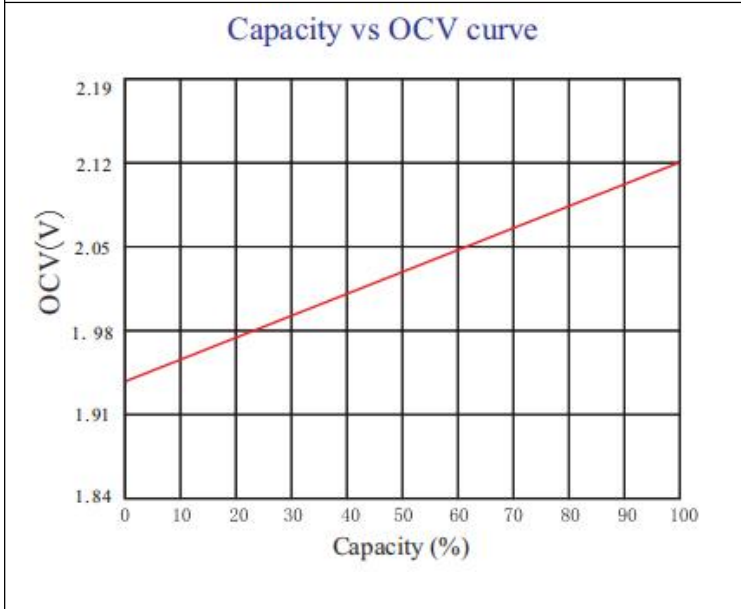
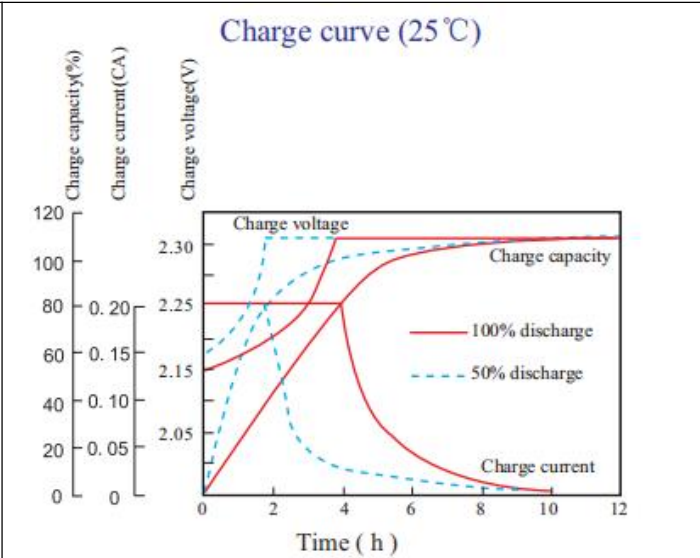
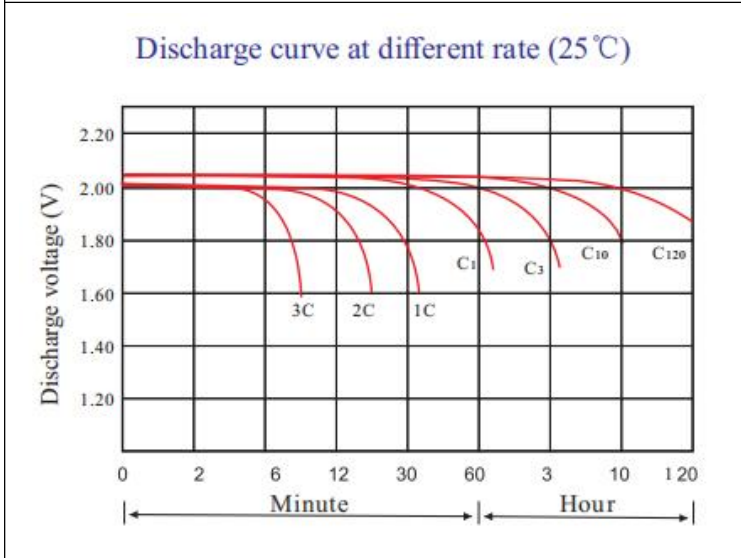
Characteristics			Application
Capacity	120 hour rate (5A to 1.85V/cell) 10 hour rate (50A to 1.80V/cell)	600Ah 500Ah	<ul style="list-style-type: none"> ● Home energy storage system ● Smart power grids and microgrid system ● Distributed energy storage system ● Hybrid energy storage system such as solar 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	0.28 mΩ		
Short-Circuit Current	7211A		
Max. charging current	150A		
Max. constant charging current	100A		
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	282.7	129.9	90.3	63.2	52.7	23.5	12.1	8.30	5.30
1.80V	264.9	126.0	88.2	62.0	51.5	23.1	11.9	8.10	5.20
1.83V	248.0	121.9	86.1	60.9	50.4	22.6	11.6	7.90	5.10
1.85V	239.1	119.5	85.2	60.2	50.1	22.3	11.5	7.90	5.00
1.88V	229.0	117.1	84.3	59.5	49.7	22.1	11.4	7.80	4.90

CONSTANT POWER DISCHARGE RATING WATT PER CELL@25°C

F.V/TIME	15min	30min	1h	2h	3h	4h	5h	8h	10h
1.75V	1233	894.0	571.0	374.3	267.3	219.3	186.3	122.6	103.0
1.80V	1160	864.2	557.7	367.4	257.8	212.2	181.1	119.5	101.4
1.83V	1092	817.9	537.9	352.5	251.6	209.1	177.3	117.1	99.4
1.85V	1020	774.0	507.2	337.6	244.2	204.1	172.6	115.6	97.5
1.88V	948	733.2	476.6	313.8	235.8	197.1	167.0	112.4	95.1



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