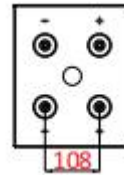
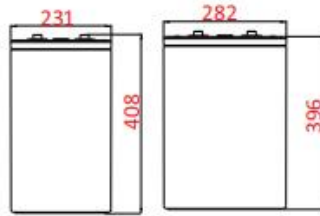


PHYSICAL SPECIFICATION



Nominal Voltage		2V
Nominal Capacity (10HR)		1000Ah
Dimension	Length	231±2mm (9.09 inches)
	Width	282±2mm (11.10 inches)
	Container Height	396±2mm (15.59 inches)
	Total Height	408±2mm (16.06 inches)
Weight		Approx. 75 Kg (165.3lbs) ±5%
Standard Terminal		Bolt-and-nuts terminal Bolt Type: M8



ELECTRICAL SPECIFICATION

Characteristics			Application
Capacity	120 hour rate (10A to 1.85v/cell) 10 hour rate (100A to 1.80v/cell)	1200Ah 1000Ah	<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	0.15 mΩ		
Short-Circuit Current	12835A		
Max. charging current	300A		
Max. constant charging current	200A		
Constant Voltage Charge	Cycle	2.30V/cell (25°C)	
	Floating	2.25V/cell (25°C)	

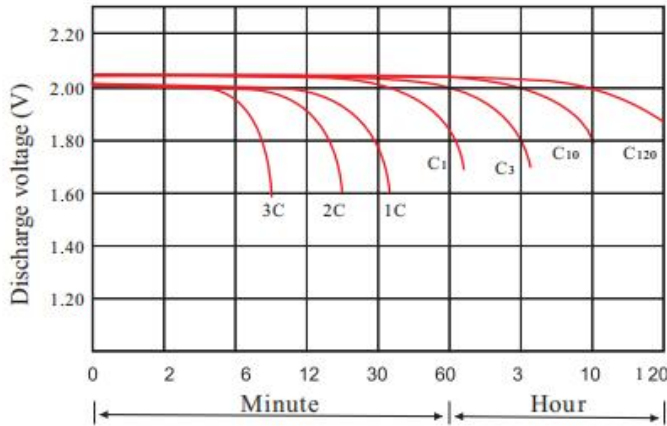
CONSTANT CURRENT DISCHARGE RATING A@25°C

F.V/TIME	1h	3h	5h	8h	10h	24h	48h	72h	120h
1.75V	553.5	267.8	182.5	125.4	104.6	47.1	24.1	16.5	10.5
1.80V	525.7	261.9	178.4	123.0	103.2	46.1	23.8	16.3	10.3
1.83V	496.0	253.9	175.6	122.3	102.7	46.1	23.7	16.2	10.3
1.85V	464.2	240.2	167.1	118.0	99.0	44.8	22.8	15.6	10.0
1.88V	421.6	226.5	159.3	113.7	95.2	43.5	21.9	15.0	9.5

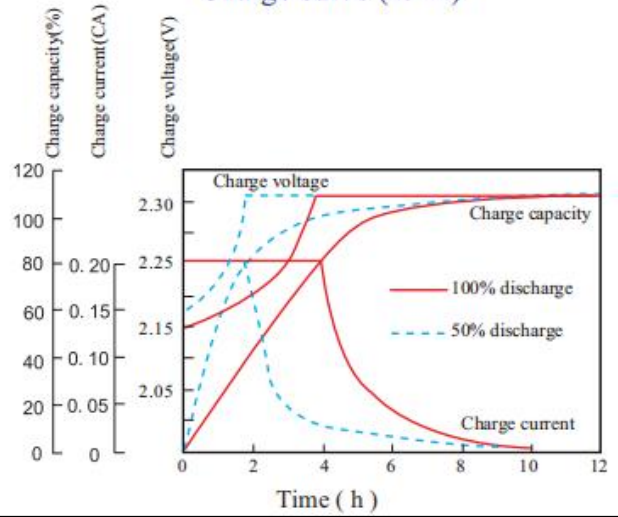
CONSTANT POWER DISCHARGE RATING WATT PER CELL@25°C

F.V/TIME	15min	30min	1h	2h	3h	4h	5h	8h	10h
1.75V	2466	1530.6	1122.2	708.0	558.6	446.8	377.3	271.1	228.4
1.80V	2320	1430.7	1033.1	682.0	541.6	439.9	367.4	265.1	224.4
1.83V	2185	1336.9	966.2	656.9	529.5	428.0	357.5	258.2	220.4
1.85V	2040	1235.6	885.3	631.9	511.5	416.1	347.5	250.0	212.5
1.88V	1896	1114.1	810.3	599.7	483.4	399.2	337.6	243.3	206.5

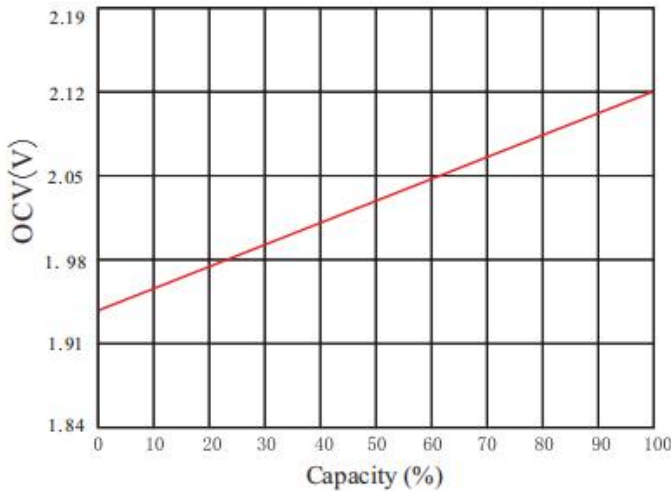
Discharge curve at different rate (25 °C)



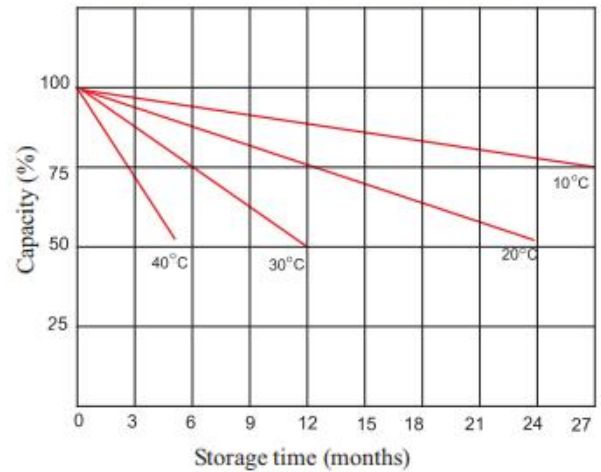
Charge curve (25 °C)



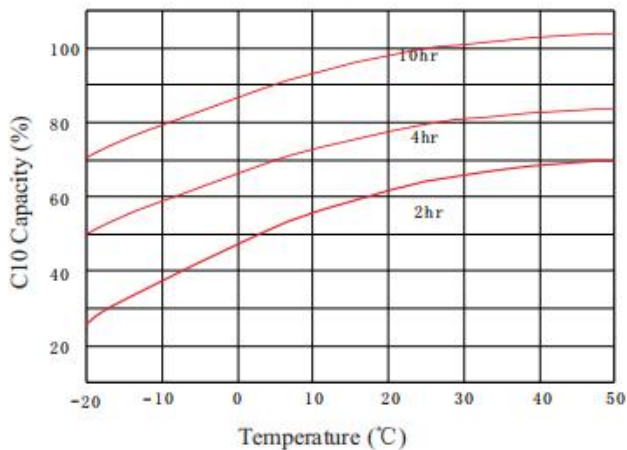
Capacity vs OCV curve



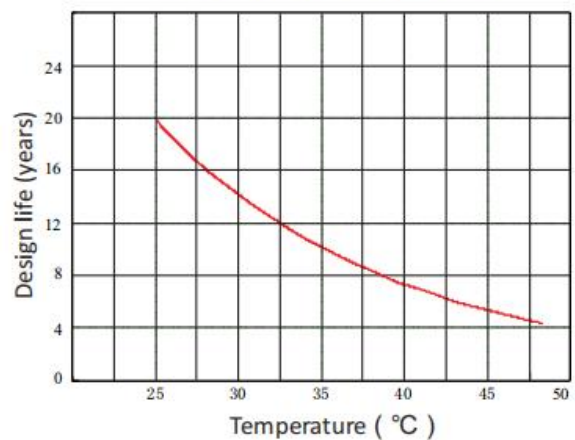
Residue capacity vs storage time



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.