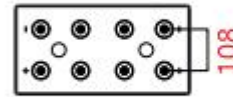
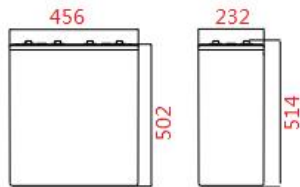


## PHYSICAL SPECIFICATION

Nominal Voltage		2V	
Nominal Capacity (10HR)		2000Ah	
Dimension	Length	456±2mm	( 17.95 inches )
	Width	232±2mm	( 9.13 inches )
	Container Height	502±2mm	( 19.76 inches )
	Total Height	514±2mm	( 20.24 inches )
Weight		Approx. 155 Kg (341.6lbs) ±5%	
Standard Terminal		Bolt-and-nuts terminal Bolt Type: M8	



## ELECTRICAL SPECIFICATION

Characteristics			Application
Capacity	120 hour rate (20A to 1.85V/cell) 10 hour rate (200A to 1.80V/cell)	2400Ah 2000Ah	<ul style="list-style-type: none"> <li>● Home energy storage system</li> <li>● Smart power grids and microgrid system</li> <li>● Distributed energy storage system</li> <li>● Hybrid energy storage system such as solar and wind</li> <li>● Solar power generation grid/off-grid energy storage system</li> <li>● Emergency lighting system</li> <li>● Generator and battery hybrid energy system</li> <li>● Other standby, cycling system</li> </ul>
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	0.10 mΩ		
Short-Circuit Current	20660A		
Max. charging current	500A		
Max. constant charging current	400A		
Constant Voltage Charge	Cycle	2.30V/cell (25°C)	
	Floating	2.25V/cell (25°C)	

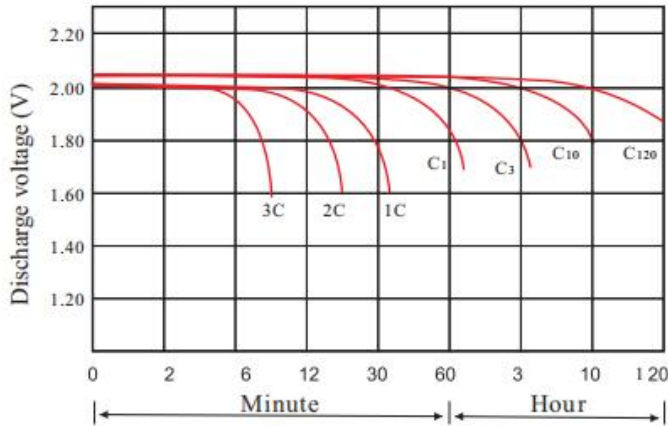
### CONSTANT CURRENT DISCHARGE RATING A@25°C

F.V/TIME	1h	3h	5h	8h	10h	24h	48h	72h	120h
1.75V	1107.0	535.7	365.0	250.7	209.1	94.2	48.2	33.0	20.9
1.80V	1051.5	523.8	356.7	246.0	206.3	92.2	47.5	32.5	20.6
1.83V	992.0	507.9	351.2	244.5	205.3	92.2	47.3	32.4	20.5
1.85V	928.5	480.4	334.3	236.1	197.9	89.6	45.6	31.2	20.0
1.88V	843.2	453.0	318.6	227.4	190.5	86.9	43.9	30.0	19.0

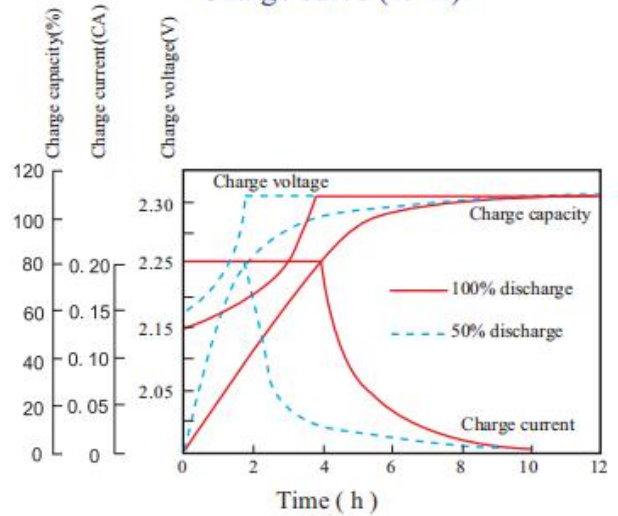
### CONSTANT POWER DISCHARGE RATING WATT PER CELL@25°C

F.V/TIME	15min	30min	1h	2h	3h	4h	5h	8h	10h
1.75V	4932	3201.3	2200.4	1402.1	1106.2	893.7	754.7	542.2	456.8
1.80V	4640	3005.1	2025.7	1350.4	1072.4	879.8	734.8	530.2	448.8
1.83V	4370	2821.4	1894.6	1300.8	1048.6	855.9	714.9	516.3	440.9
1.85V	4080	2622.8	1735.8	1251.1	1012.8	832.1	695.1	500.1	425.0
1.88V	3792	2384.5	1588.8	1187.6	957.2	798.3	675.2	486.6	413.1

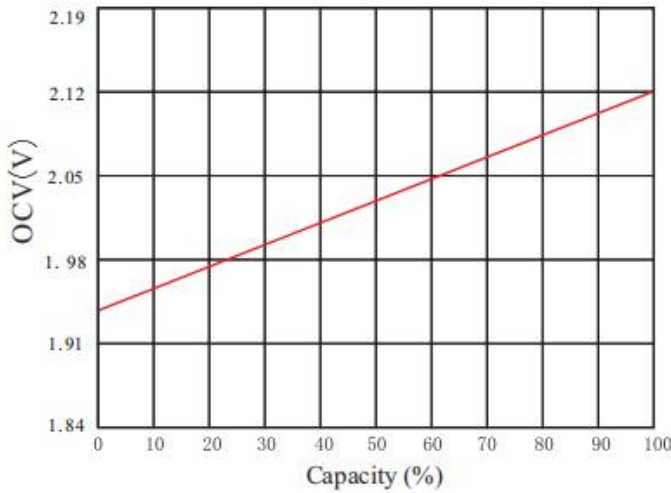
Discharge curve at different rate (25 °C)



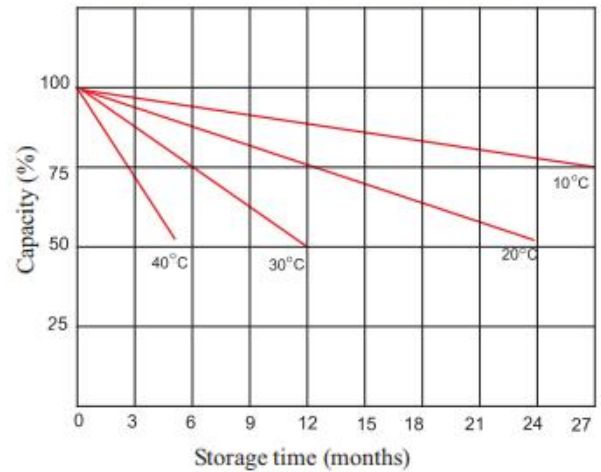
Charge curve (25 °C)



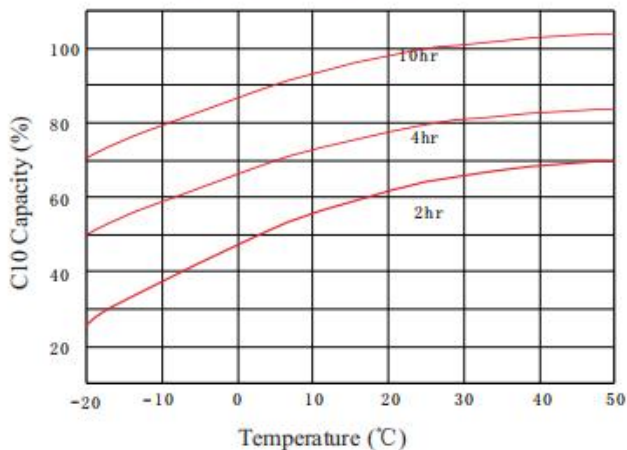
Capacity vs OCV curve



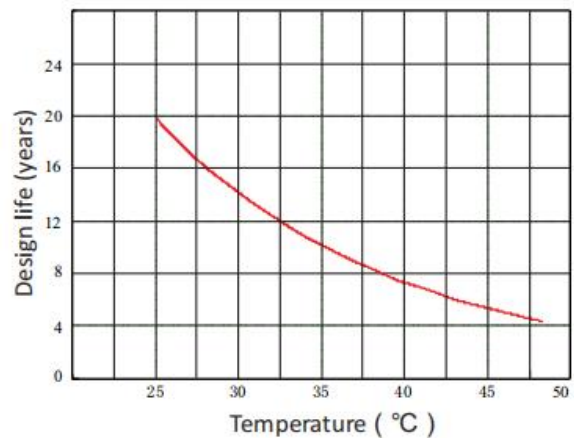
Residue capacity vs storage time



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.