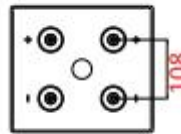
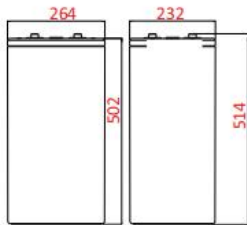


## PHYSICAL SPECIFICATION

Nominal Voltage		2V	
Nominal Capacity (10HR)		1200Ah	
Dimension	Length	264±2mm	( 10.39 inches )
	Width	232±2mm	( 9.13 inches )
	Container Height	502±2mm	( 19.76 inches )
	Total Height	514±2mm	( 20.24 inches )
Weight		Approx. 90 Kg (198.4lbs) ±5%	
Standard Terminal		Bolt-and-nuts terminal Bolt Type: M8	



## ELECTRICAL SPECIFICATION

Characteristics			Application
Capacity	120 hour rate (12A to 1.85v/cell) 10 hour rate (120A to 1.80v/cell)	1440Ah 1200Ah	<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	0.14 mΩ		
Short-Circuit Current	13874A		
Max. charging current	360A		
Max. constant charging current	240A		
Constant Voltage Charge	Cycle	2.30V/cell (25°C)	
	Floating	2.25V/cell (25°C)	

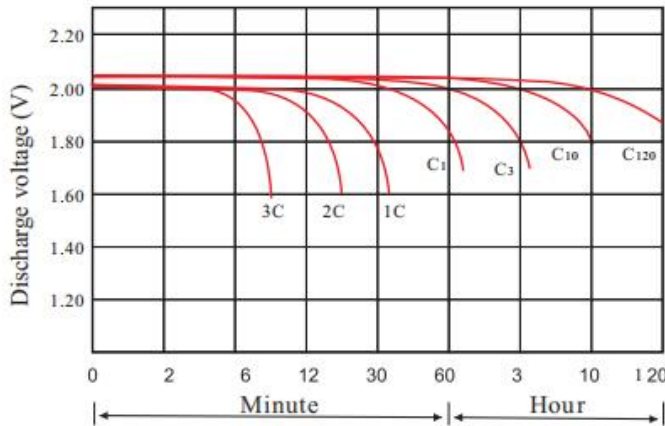
### CONSTANT CURRENT DISCHARGE RATING A@25°C

F.V/TIME	1h	3h	5h	8h	10h	24h	48h	72h	120h
1.75V	664.2	321.4	219.0	150.4	125.5	56.5	28.9	19.8	12.5
1.80V	630.9	314.3	214.0	147.6	123.8	55.3	28.5	19.5	12.4
1.83V	595.2	304.7	210.7	146.7	123.2	55.3	28.4	19.4	12.3
1.85V	557.1	288.3	200.6	141.7	118.7	53.7	27.4	18.7	12.0
1.88V	505.9	271.8	191.2	136.4	114.3	52.2	26.3	18.0	11.4

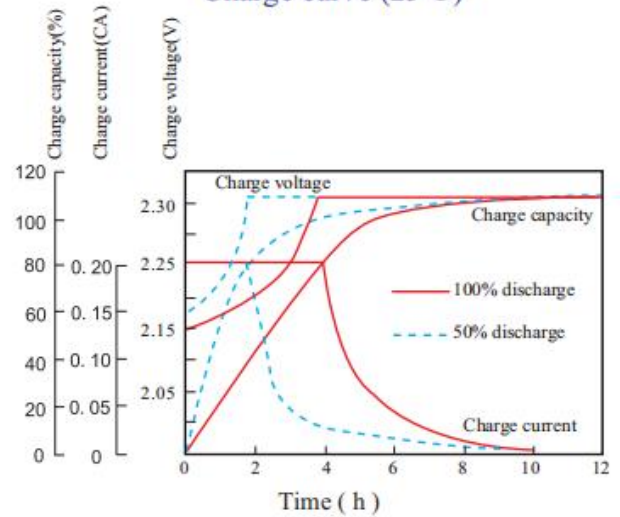
### CONSTANT POWER DISCHARGE RATING WATT PER CELL@25°C

F.V/TIME	15min	30min	1h	2h	3h	4h	5h	8h	10h
1.75V	2959	1836.8	1346.7	849.6	670.3	536.2	452.8	325.3	274.1
1.80V	2785	1716.8	1239.7	818.4	649.8	527.9	440.9	318.1	269.3
1.83V	2622	1604.4	1159.5	788.3	635.4	513.6	429.0	309.8	264.5
1.85V	2448	1482.8	1062.2	758.2	613.8	499.3	417.0	300.0	255.0
1.88V	2275	1336.9	972.4	719.7	580.0	479.0	405.1	291.9	247.8

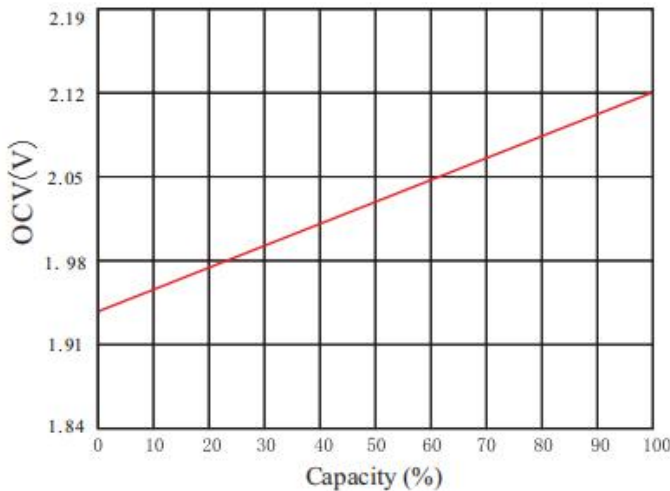
Discharge curve at different rate (25 °C)



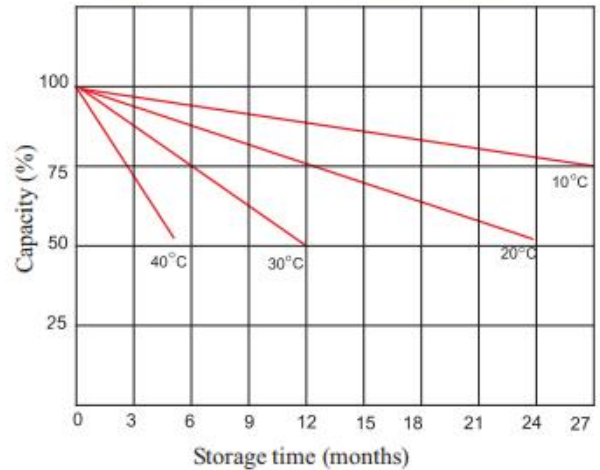
Charge curve (25 °C)



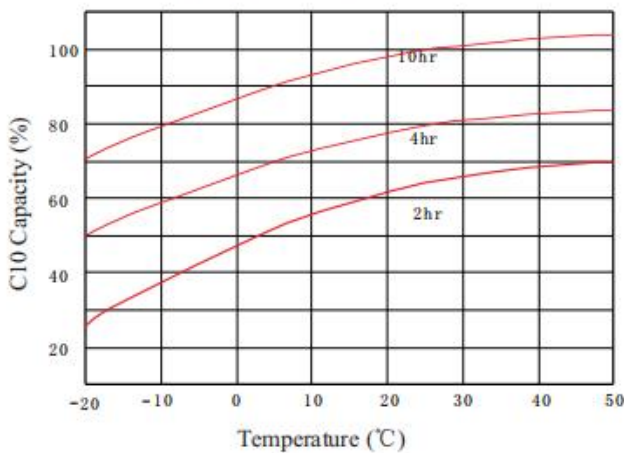
Capacity vs OCV curve



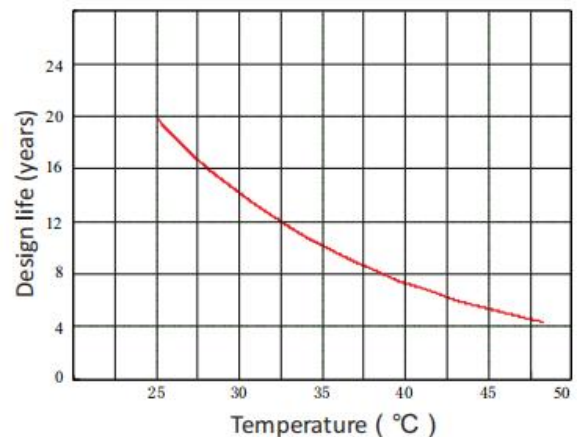
Residue capacity vs storage time



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.