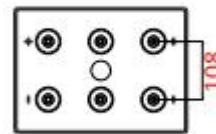
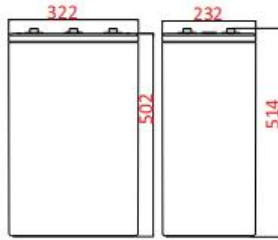


PHYSICAL SPECIFICATION

Nominal Voltage		2V	
Nominal Capacity (10HR)		1500Ah	
Dimension	Length	322±2mm	(12.68 inches)
	Width	232±2mm	(9.13 inches)
	Container Height	502±2mm	(19.76 inches)
	Total Height	514±2mm	(20.24 inches)
Weight		Approx. 110 Kg (242.4lbs) ±5%	
Standard Terminal		Bolt-and-nuts terminal Bolt Type: M8	



ELECTRICAL SPECIFICATION

Characteristics			Application
Capacity	120 hour rate (15A to 1.85v/cell) 10 hour rate (150A to 1.80v/cell)	1800Ah 1500Ah	<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	0.12 mΩ		
Short-Circuit Current	16882A		
Max. charging current	450A		
Max. constant charging current	300A		
Constant Voltage Charge	Cycle	2.30V/cell (25°C)	
	Floating	2.25V/cell (25°C)	

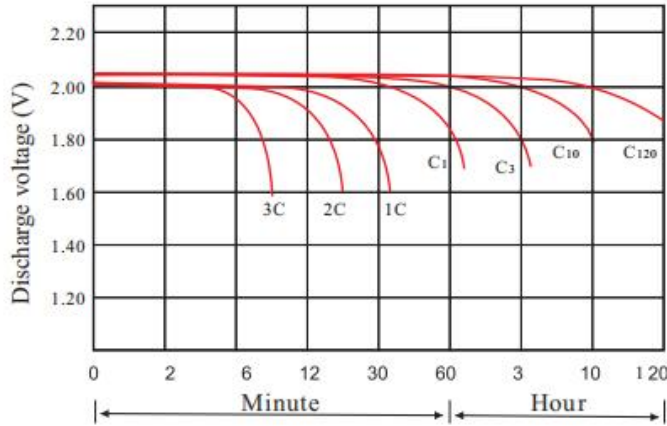
CONSTANT CURRENT DISCHARGE RATING A@25°C

F.V/TIME	1h	3h	5h	8h	10h	24h	48h	72h	120h
1.75V	830.3	401.8	273.8	188.0	156.8	70.7	36.1	24.7	15.7
1.80V	788.6	392.8	267.5	184.5	154.7	69.2	35.7	24.4	15.5
1.83V	744.0	380.9	263.4	183.4	154.0	69.2	35.5	24.3	15.4
1.85V	696.4	360.3	250.7	177.1	148.4	67.2	34.2	23.4	15.0
1.88V	632.4	339.8	239.0	170.6	142.8	65.2	32.9	22.5	14.3

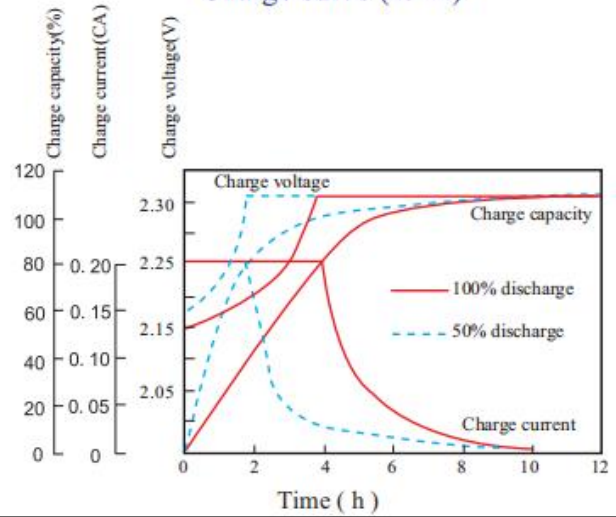
CONSTANT POWER DISCHARGE RATING WATT PER CELL@25°C

F.V/TIME	15min	30min	1h	2h	3h	4h	5h	8h	10h
1.75V	3699	2295.9	1683.3	1062.1	837.9	670.3	566.0	406.6	342.6
1.80V	3480	2146.0	1549.6	1022.9	812.3	659.8	551.1	397.7	336.6
1.83V	3277	2005.4	1449.3	985.4	794.3	642.0	536.2	387.3	330.7
1.85V	3060	1853.9	1327.8	947.8	767.2	624.1	521.3	375.0	318.7
1.88V	2844	1671.2	1215.4	899.6	725.1	598.8	506.4	364.9	309.8

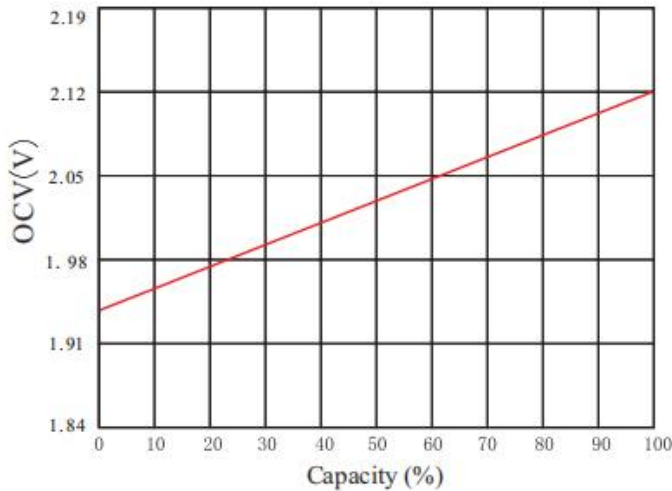
Discharge curve at different rate (25 °C)



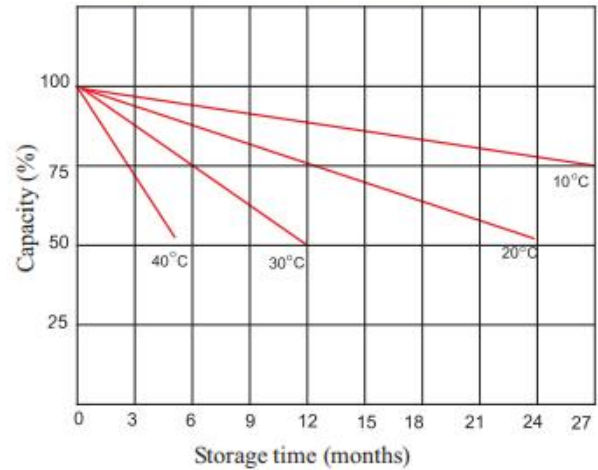
Charge curve (25 °C)



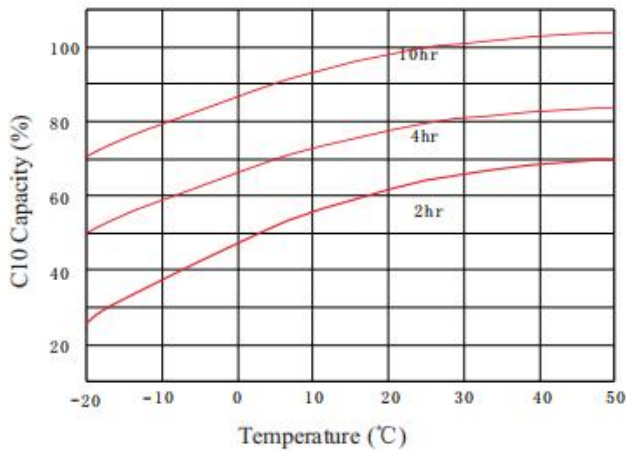
Capacity vs OCV curve



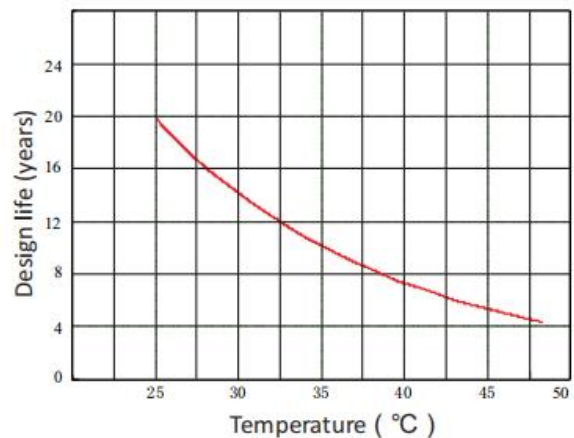
Residue capacity vs storage time



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.