

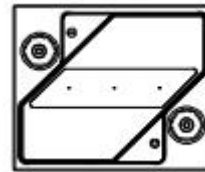
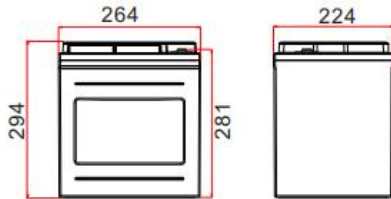


SLC240-6(6V240AH)



**PHYSICAL SPECIFICATION**

Nominal Voltage		6V
Nominal Capacity (100HR)		240Ah
Dimension	Length	264±2mm (10.39 inches)
	Width	224±2mm (8.82 inches)
	Container Height	281±2mm (11.06 inches)
	Total Height	294±2mm (11.57 inches)
Weight		Approx. 47.5 Kg ±5% (104.7lbs)
Standard Terminal		Bolt-and-nuts terminal Bolt Type: M8



**ELECTRICAL SPECIFICATION**

Characteristics			Application
Capacity	100 hour rate (2.4A to 1.85v/cell) 10 hour rate (20A to 1.80v/cell)	240Ah 200Ah	<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):-20°C~50°C		
Designed life	20 years ( floating ) at 25°C(77 °F)		
Internal Resistance	1.11 mΩ (acc. to IEC60896-21 clause 6.3)		
Short-Circuit Current	3939A		
Max. charging current	60A		
Max. constant charging current	40A		
Constant Voltage Charge	Cycle	2.30V/cell (25°C)	
	Floating	2.25V/cell (25°C)	

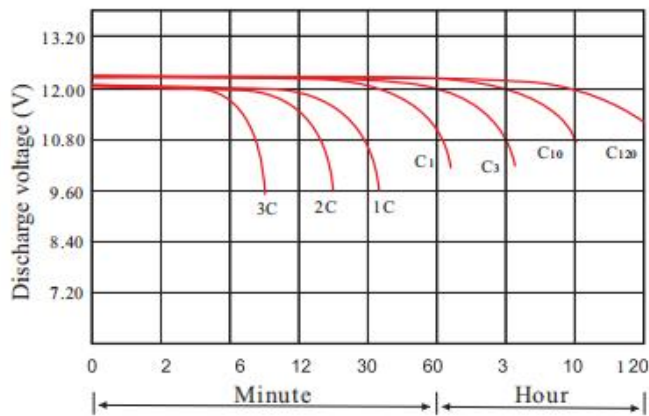
**CONSTANT CURRENT DISCHARGE RATING A@25°C**

F.V/TIME	60min	3h	5h	8h	10h	24h	48h	72h	120h
1.75V	120.64	55.47	38.51	26.99	20.49	10.02	5.17	3.54	2.25
1.80V	112.96	53.76	37.65	26.45	20.00	9.86	5.06	3.47	2.20
1.83V	105.81	52.05	36.69	26.03	19.61	9.64	4.95	3.39	2.15
1.85V	101.97	50.99	36.37	25.71	19.42	9.53	4.93	3.37	2.13
1.88V	97.71	49.92	35.95	25.39	19.32	9.44	4.89	3.34	2.12
1.90V	90.56	47.79	34.99	24.75	18.83	9.32	4.76	3.25	2.07

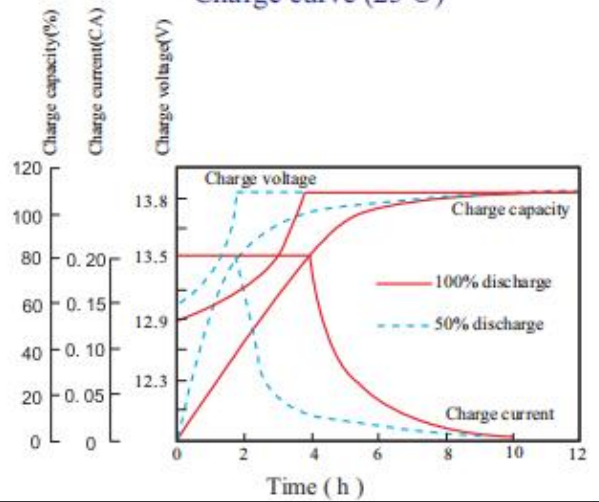
**CONSTANT POWER DISCHARGE RATING WATT PER CELL@25°C**

F.V/TIME	15min	30min	1h	2h	3h	4h	5h	8h	10h
1.75V	615.3	439.5	241.7	142.8	109.9	87.9	74.7	51.6	43.9
1.80V	606.3	433.1	238.2	140.7	108.3	86.6	73.6	50.9	43.3
1.83V	594.3	424.5	233.5	138.0	106.1	84.9	72.2	49.9	42.5
1.85V	582.4	416.0	228.8	135.2	104.0	83.2	70.7	48.9	41.6
1.88V	567.5	405.3	222.9	131.7	101.3	81.1	68.9	47.6	40.5

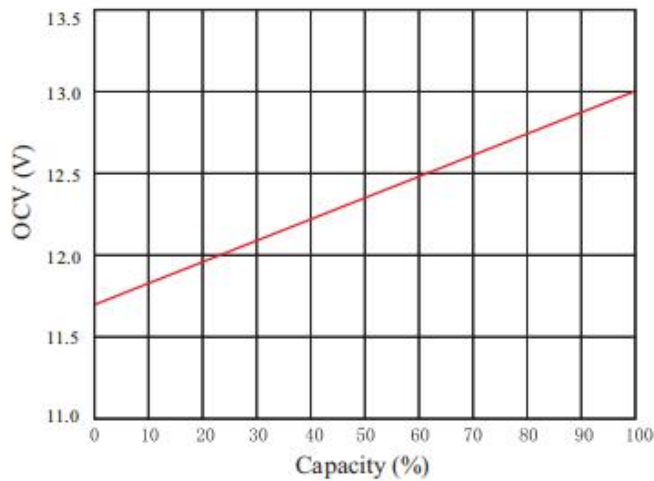
Discharge curve at different rate (25°C)



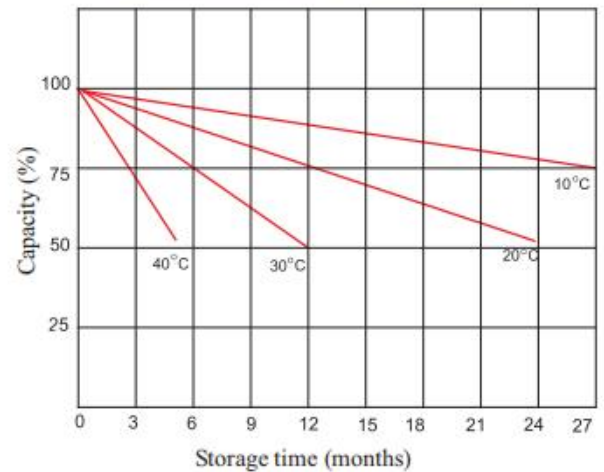
Charge curve (25°C)



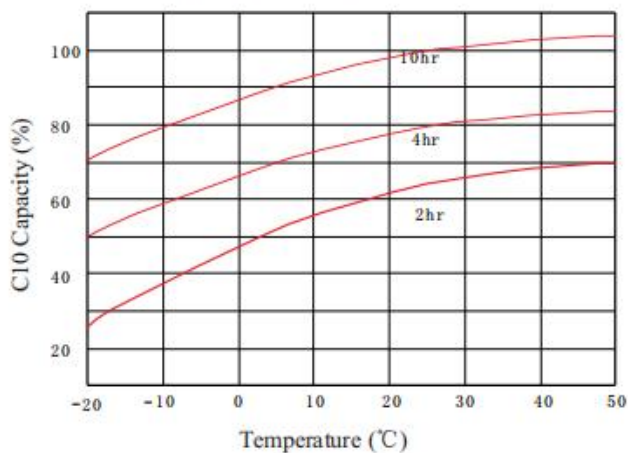
Capacity vs OCV curve



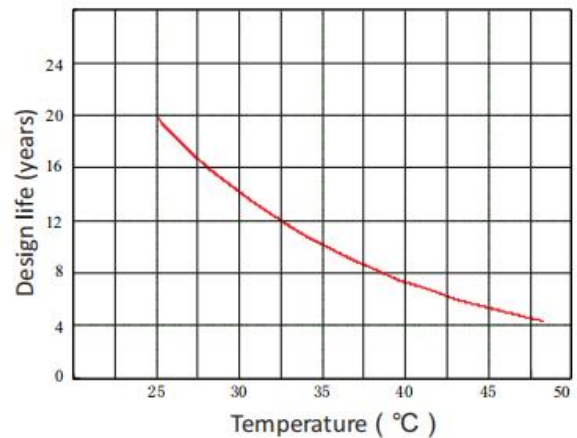
Residue capacity vs storage time



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.