

## PHYSICAL SPECIFICATION

Nominal Voltage		2V	
Nominal Capacity (10HR)		200Ah	
Dimension	Length	103±2mm	(4.05 inches)
	Width	206±2mm	(8.11 inches)
	Container Height	356±2mm	(14.05 inches)
	Total Height	389±2mm	(15.31 inches)
Weight		Approx. 19.0 Kg (41.9lbs)	
Standard Terminal		Bolt-and-nuts terminal Bolt Type: M8	



## ELECTRICAL SPECIFICATION

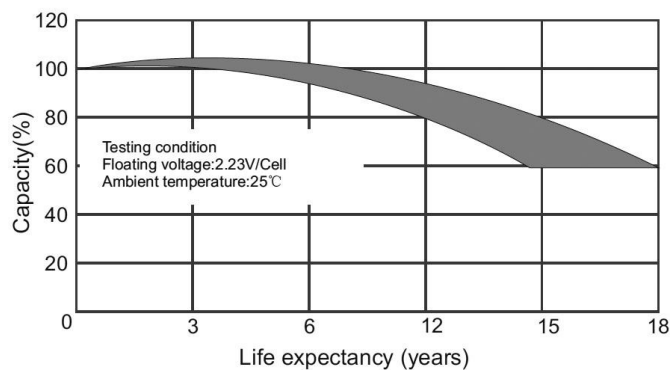
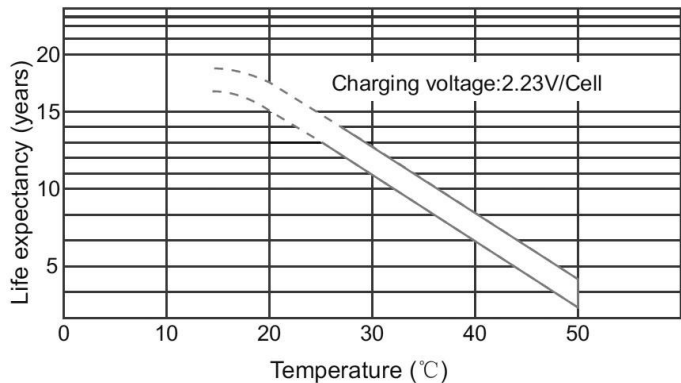
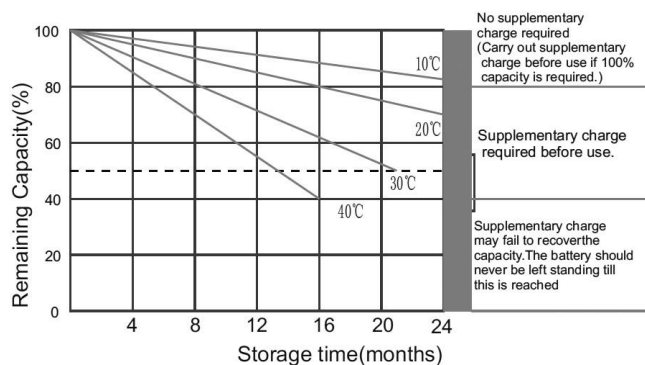
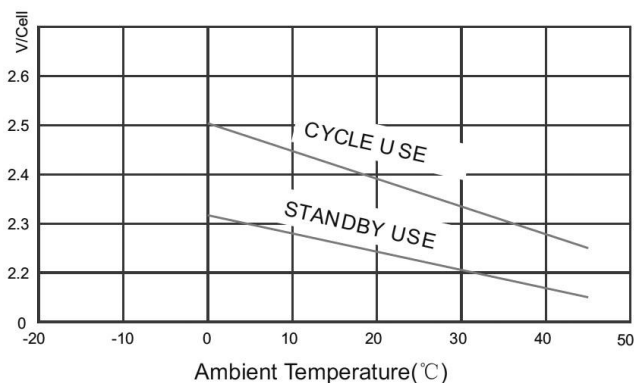
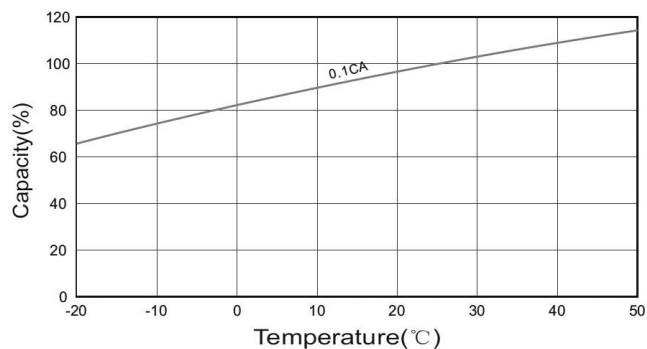
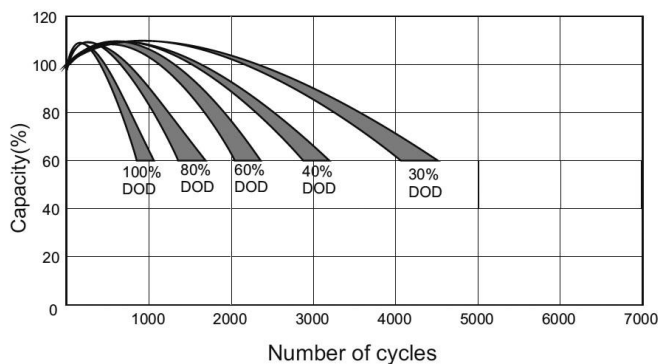
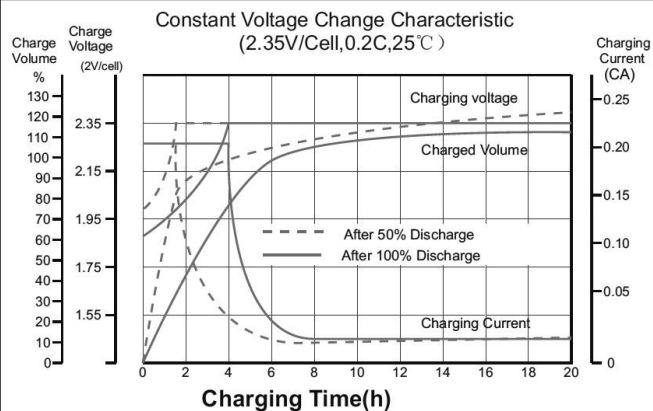
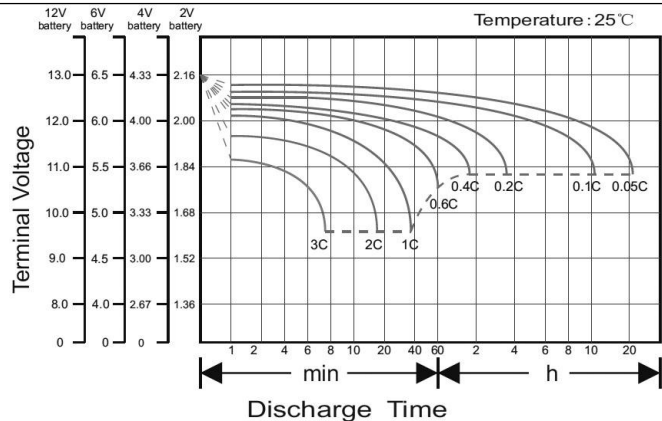
Characteristics			Main Advantages
Capacity	10 hour rate (20A to 1.80v/cell) 5 hour rate (35.6A to 1.70v/cell) 3 hour rate (52A to 1.70v/cell) 1hour rate (120A to 1.60v/cell)	200Ah 178Ah 156Ah 120Ah	<ul style="list-style-type: none"> <li>&gt;&gt; adopt tubular plate with GEL technology</li> <li>&gt;&gt; longest lifespan under deep discharge</li> <li>&gt;&gt; Strong temperature resistance performance</li> <li>&gt;&gt; Better charge reception capability</li> <li>&gt;&gt; 20 years design life</li> </ul>
Operating Temp. Range	Discharge : -40°C~55°C Charge : -15°C~50°C Storage : -20°C~40°C		
Max. Discharge Current	1000A(5sec)		
Short Circuit Current	2200A		
Designed life	20 years ( floating ) at 25°C(77 °F)		
Internal Resistance	Full charged battery (25°C,77 °F) 0.75mΩ		
Constant Voltage Charge	Cycle	Initial Charging Current less than :≤50A Voltage: 2.35~2.40V at 25°C (77 °F) Temperature Coefficient -5mV/°C	
	Standby	No limit on Initial Charging Current Voltage: 2.23V at 25°C (77 °F) Temperature Coefficient -3mV/°C	

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

F.V./TIME	15min	30min	1h	2h	3h	4h	5h	8h	10h
1.60V	210	165	120	75	54	43	36.5	25.9	21.2
1.65V	198	157	113	73	53	42	36.1	25.7	21.1
1.70V	187	150	111	71	52	41.8	35.6	25.4	21.0
1.75V	175	142	104	69	51	41	35.0	24.9	20.6
1.80V	163	133	99	67	50	40	34.2	24.3	20.0

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

F.V./TIME	15min	30min	1h	2h	3h	4h	5h	8h	10h
1.60V	362	290	219	140	102	81.5	69.3	49.5	40.6
1.65V	346	275	206	137	100.5	79.9	68.7	49.2	40.5
1.70V	327	264	203	134	99	79.7	68.0	48.8	40.4
1.75V	309	253	194	131	97.5	78.5	67.1	48.0	40.0
1.80V	292	243	186	128	96	76.9	65.8	46.9	38.8



(Note) All above information shall be changed without prior notice, Shimastu reserves the right to explain and update the latest information.