



# OPzV1500 Tubular GEL Battery



## PHYSICAL SPECIFICATION

Nominal Voltage		2V	
Nominal Capacity (10HR)		1500Ah	
Dimension	Length	275±2mm	( 10.83 inches )
	Width	210±2mm	( 8.26 inches )
	Container Height	795±2mm	( 31.30inches )
	Total Height	827±2mm	( 32.56 inches )
Weight		Approx. 113.5 Kg (250.2lbs)	
Standard Terminal		Bolt-and-nuts terminal Bolt Type: M8	

Unit: mm



## ELECTRICAL SPECIFICATION

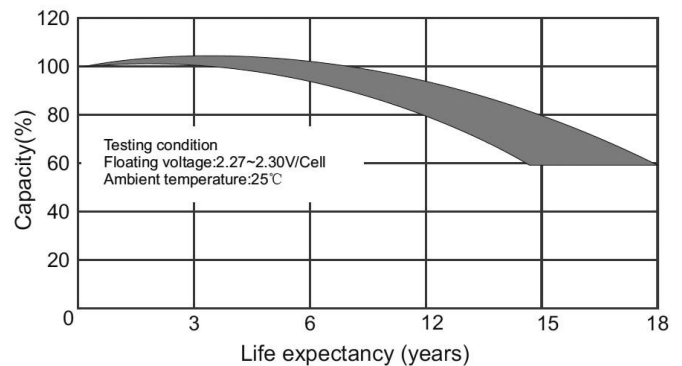
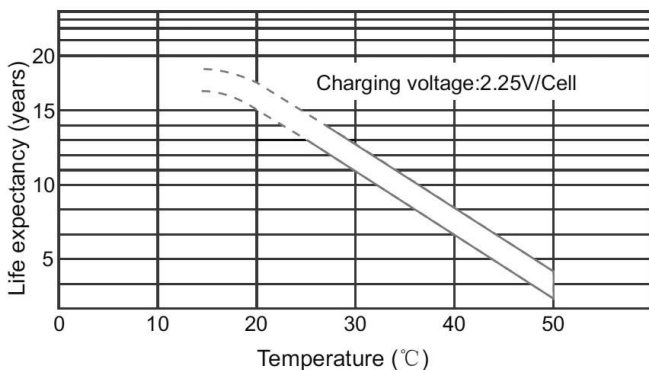
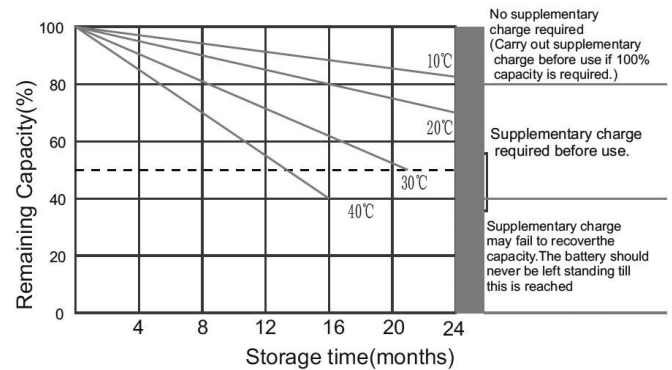
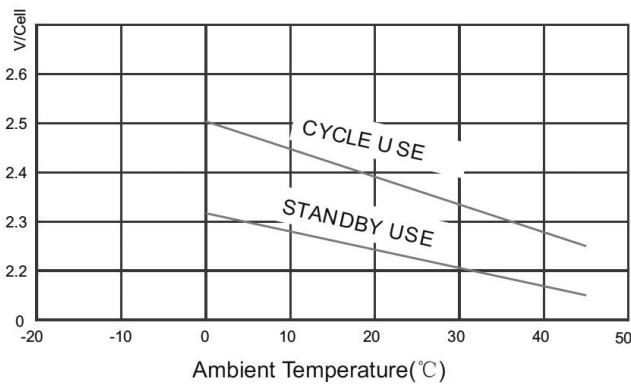
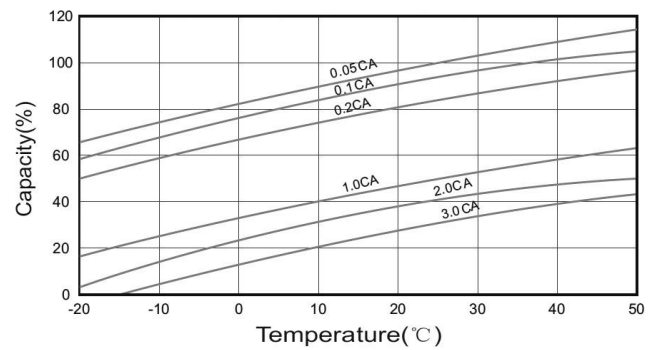
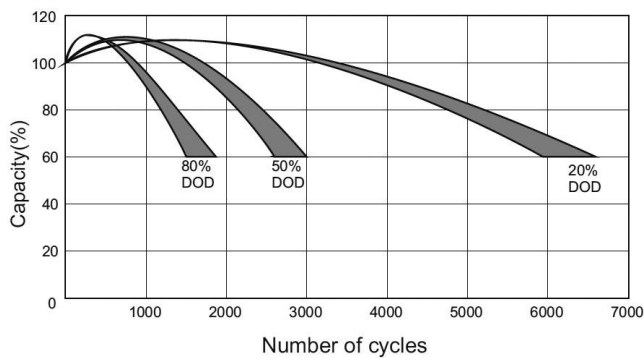
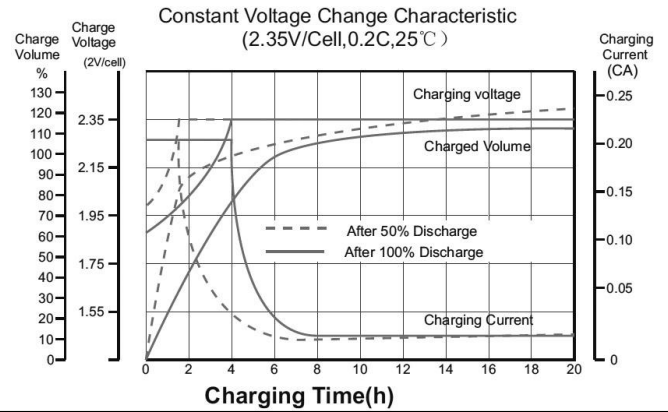
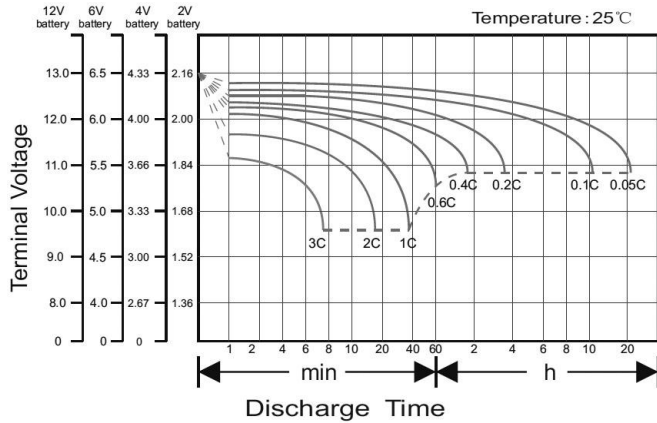
Characteristics			Main Advantages
Capacity	10 hour rate (150.8A to 1.80v/cell) 5 hour rate (267.0A to 1.70v/cell) 3 hour rate (390.0A to 1.70v/cell) 1hour rate (900.0A to 1.60v/cell)	1508Ah 1335Ah 1170Ah 900Ah	<ul style="list-style-type: none"> <li>&gt;&gt; adopt tubular plate with GEL technology</li> <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 : -15°C~40°C		
Max. Discharge Current	7500A(5sec)		
Short Circuit Current	12500A		
Designed life	20 years ( floating ) at 25°C (77 °F)		
Internal Resistance	Full charged battery (25°C, 77 °F) 0.35mΩ		
Constant Voltage Charge	Cycle	Initial Charging Current less than ≤375.0A Voltage: 2.35~2.40V at 25°C (77 °F) Temperature Coefficient -5mV/°C	
	Standby	No limit on Initial Charging Current Voltage: 2.25V 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	1575	1238	900	563	405	323	273.8	194.3	159.0
1.65V	1485	1178	848	548	398	315	270.8	192.8	158.3
1.70V	1403	1125	833	533	390	314	267.0	190.5	157.5
1.75V	1313	1065	780	518	383	308	262.5	186.8	155.3
1.80V	1223	998	743	503	375	300	256.5	182.3	150.8

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

F.V/TIME	15min	30min	1h	2h	3h	4h	5h	8h	10h
1.60V	2715	2175	1643	1050	765	611	519.8	371.3	304.5
1.65V	2595	2063	1545	1028	754	599	515.3	369.0	303.8
1.70V	2453	1980	1523	1005	743	598	510.0	366.0	303.0
1.75V	2318	1898	1455	983	731	589	503.3	360.0	300.0
1.80V	2190	1823	1395	960	720	577	493.5	351.8	291.8



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