

OPzV1000 VRLA STATIONARY BATTERY



1. Specification

DIN Size Tubular Plate

NOMINAL VOLTAGE		2 V		TERMINAL:mm
NOMINAL CAPACITY		1000Ah/10HR		
DIMENSIONS	LENGTH	± 2 mm	234 mm (9.21 inches)	
	WIDTH	± 2 mm	211 mm (8.30 inches)	
	HEIGHT	± 3 mm	647 mm (25.5 inches)	
	TOTAL HEIGHT	± 5 mm	679 mm (26.7 inches)	
COMPLETE CELL WEIGHT		74.5kg (164lbs)		
Type of Electrolyte		Gel		
Housing Material		ABS Resin		

2. Constant current discharge Ratings—Amperes 25°C/77°F (Operating time to final voltage)

Final Voltage	30min	1hr	2hr	3hr	5hr	6hr	8hr	10hr	20hr	24hr	48hr	100hr
1.65	870	575	377	294	203	164	133	117	60.1	49.6	26.1	13.1
1.70	845	550	355	279	191	155	128	110	58.8	49.5	26.1	13.1
1.75	800	525	336	264	181	148	122	105	57.0	49.3	26.0	13.0
1.80	770	500	317	250	170	141	118	100	54.0	49.3	26.0	12.9
1.85	725	475	301	236	163	134	111	94.5	51.0	47.0	25.9	12.9

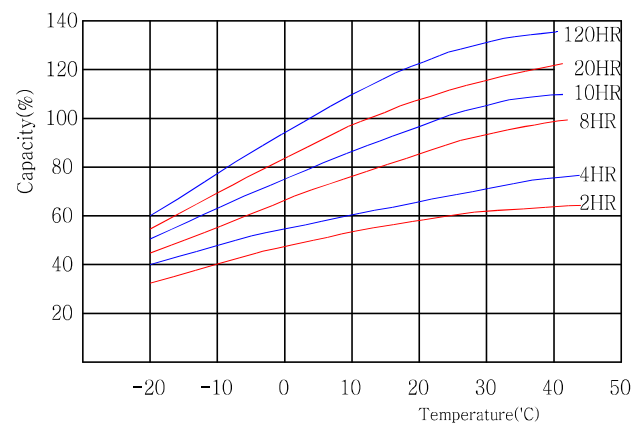
3. Constant power discharge Ratings—watts 25°C/77°F (Operating time to final voltage)

Final Voltage	30min	1hr	2hr	3hr	5hr	6hr	8hr	10hr	20hr	24hr	48hr	100hr
1.65	1825	1175	842	590	381	365	301	225	113	102	67.3	34.8
1.70	1715	1140	825	570	375	354	290	218	112	101	67.1	34.7
1.75	1568	1110	803	551	370	343	280	210	111	100	67.0	34.6
1.80	1395	1040	785	530	360	330	270	205	110	99.0	67.0	34.5
1.85	1210	1015	745	503	344	314	259	194	104	94.6	66.9	34.5

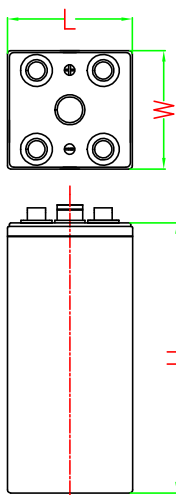
4. Characteristics

Float Life 25 °C(77 °F)	22 years	
Cycle Life 25°C/77°F	80% DOD:	1500 cycle
	25% DOD:	5500 cycle
Charging voltage 25 °C/77 °F	Float use	2.22V~2.25V
	Cycle use	2.33V~2.37V
Max. Charging Current	200A 25°C/77°F	
Recharge time 25 °C/77 °F	Float use	>96hours
	Cycle use	24hours(50%DOD) or 48hours(100%DOD)
Self discharge 25 °C/77 °F	<0.08% per week	
Internal Resistance(25C)	0.36mV(approx)	
Short Circuit Current	5300A 1Sec(25°C/77°F)	
Operation Temp. range	-20 °C~+45 °C(-4°F~+113°F)	

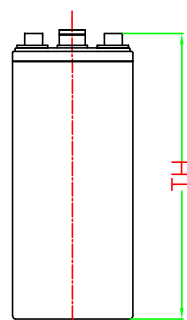
5. Relation Covers between Temp. and Capacity



6. Dimensions



Nos. of Terminal : 4pcs.



7. Discharge Curve

