

## OPzS2-1000

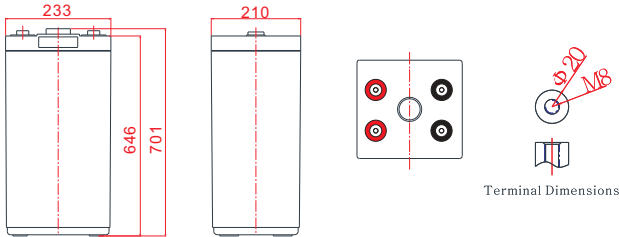


### General Features

- > Tubular plate design to enhance battery performance
- > Tubular plate design makes long battery life
- > Relatively rich electrolyte, high temperature and low temperature performance is superior
- > Long cycle life, excellent deep cycle discharge ability
- > Excellent charge acceptance ability
- > Precision sealing technology



尺寸Dimension: 210(L)×233(W)×646(H)×701(TH) Unit:mm



### Applications

- > Solar / wind energy and other new energy storage
- > Power systems
- > Telecommunications system
- > UPS/EPS
- > Auto control system
- > Other general purpose

### Specification

Nominal Voltage	2V	
Nominal Capacity	1000Ah	
Design life	20 years	
Terminal	M8	
Approx. Weight	Approx 78kg (172lbs)(Dry cell 58.0Kg)	
Container Material	ABS	
Rated Capacity	1000Ah	10Hour Rate (100.0A to 1.80V)
	752Ah	3Hour Rate (252A to 1.80V)
	557Ah	1Hour Rate (557A to 1.75V)
Internal resistance	Full charged at 25°C: 0.25 mΩ	
Max. Discharge Current	8300A(5S)	
Operating Temperature	Discharge: -20 ~50°C(-4~ 122°F)	
	Charge: -20 ~50°C(-4~ 122°F)	
	Storage: -20 ~50°C(-4~ 122°F)	
Charge current:	Max.200A ; Recom.100A	
Charge Method (25 °C)	Float Charge:2.23-2.27V,recom.2.25V(-3mV/ °C)	
	Equalize charge:2.30-2.35V,recom.2.35V(-4mV/ °C)	
	Cycle charge:2.40-2.50V,recom.2.40V(-5mV/ °C)	
Self discharge	3% of capacity declined per month at 25°C	

### Constant Current Discharge Characteristics Unit: A (25°C, 77°F)

F. V/Time	15M	30M	1h	2h	3h	5h	8h	10h	20h
1.60V	1264	884	605	337	273	187	134	112	65.5
1.65V	1219	855	591	370	268	185	133	111	64.5
1.70V	1148	819	574	352	264	182	132	110	63.8
1.75V	1089	789	557	352	258	180	129	109	62.9
1.80V	957	722	530	338	252	175	126	105	62.1
1.85V	809	607	493	321	244	170	123	104	60.0

### Constant Power Discharge Characteristics Unit: W (25°C, 77°F)

F. V/Time	15M	30M	1h	2h	3h	5h	8h	10h	20h
1.60V	2525	1791	1371	757	574	388	281	238	124
1.65V	2405	1696	1276	751	582	385	279	236	123
1.70V	2290	1619	1195	741	563	379	275	233	122
1.75V	2171	1554	1124	720	550	366	271	228	120
1.80V	2036	1492	1060	695	534	349	258	217	119
1.85V	1903	1433	1044	668	508	340	251	207	116

