

## OPzS2-200

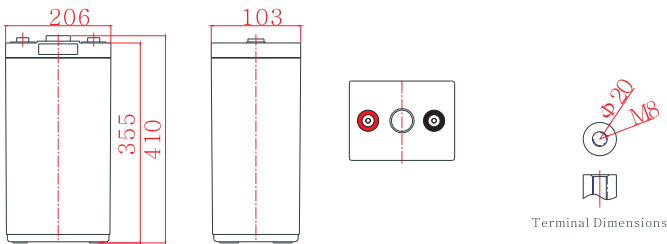


### General Features

- > 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



Dimension: 206 (L)×103(W)×355 (H)×410 (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	200Ah	
Design life	20 years	
Terminal	M8	
Approx. Weight	Approx 17.5kg (38.6lbs) Dry cell 12.8Kg	
Container Material	ABS	
Rated Capacity	200Ah	10Hour Rate (20.0A to 1.80V)
	151Ah	3Hour Rate (50.4A to 1.80V)
	112Ah	1Hour Rate (112A to 1.75V)
Internal resistance	Full charged at 25°C: 0.90 mΩ	
Max. Discharge Current	2400A(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.40A ; Recom.20A	
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	253	177	121	75.6	54.6	37.5	26.9	22.5	13.1
1.65V	244	171	118	74.1	53.7	37.1	26.6	22.2	12.9
1.70V	230	164	115	70.3	52.8	36.5	26.5	22.1	12.7
1.75V	218	158	112	70.5	51.6	36.1	25.8	21.8	12.6
1.80V	192	144	106	67.8	50.4	35.1	25.2	21.1	12.4
1.85V	162	122	98.6	64.2	48.9	34.0	24.6	20.9	12.0

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

F.V/Time	15M	30M	1h	2h	3h	5h	8h	10h	20h
1.60V	505	358	274	151	115	77.6	56.3	47.6	24.8
1.65V	481	339	255	150	116	77.0	56.0	47.2	24.6
1.70V	458	324	239	148	113	76.0	55.2	46.6	24.4
1.75V	434	311	225	144	110	73.3	54.2	45.7	24.1
1.80V	407	298	212	139	107	70.0	51.7	43.4	24.0
1.85V	381	287	209	134	102	68.0	50.4	41.5	23.4

