

OPzS2-300

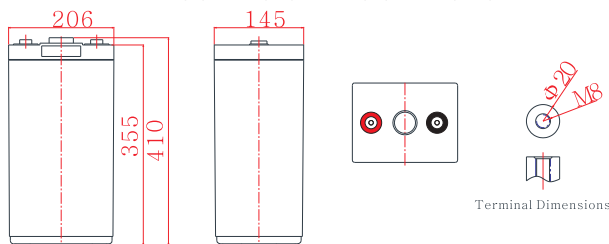


General Features

- > 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	300Ah	
Design life	20 years	
Terminal	M8	
Approx. Weight	Approx 24.0kg (53.0lbs) Dry cell 17.5Kg	
Container Material	ABS	
Rated Capacity	300Ah	10Hour Rate (30.0A to 1.80V)
	227Ah	3Hour Rate (75.6A to 1.80V)
	167Ah	1Hour Rate (167A to 1.75V)
Internal resistance	Full charged at 25°C: 0.56 mΩ	
Max. Discharge Current	3600A(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.60A ; Recom.30A	
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	379	265	181	113	81.9	56.2	40.3	33.7	19.6
1.65V	365	256	177	111	80.4	55.6	39.8	33.3	19.3
1.70V	344	246	172	105	79.2	54.7	39.6	33.1	19.1
1.75V	326	236	167	105	77.4	54.1	38.7	32.7	18.8
1.80V	287	216	159	101	75.6	52.6	37.8	31.6	18.6
1.85V	242	182	147	96	73.3	51.1	36.8	31.3	17.9

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

F.V/Time	15M	30M	1h	2h	3h	5h	8h	10h	20h
1.60V	757	537	411	227	172	116	84.4	71.4	37.2
1.65V	721	508	382	225	174	115	83.9	70.8	36.9
1.70V	686	485	358	225	169	114	82.7	69.9	36.6
1.75V	651	466	337	216	165	109	81.3	68.5	36.2
1.80V	610	447	318	208	160	105	77.5	65.1	35.9
1.85V	570	430	313	200	152	102	75.5	62.3	35.1

