

OPzV2-1500

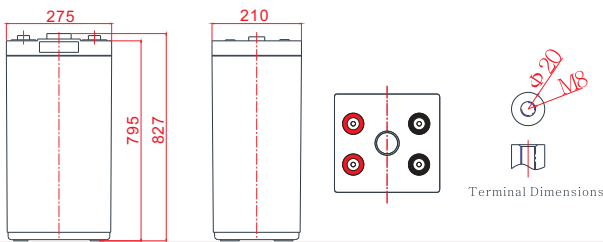


General Features

- > 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: 275(L)×210(W)×795(H)×827(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	1500Ah		
Design life	20 years		
Terminal	M8		
Approx. Weight	Approx 113.5kg (250lbs)		
Container Material	ABS		
Rated Capacity	1680Ah	10Hour Rate	(168A to 1.80V)
	1269Ah	3Hour Rate	(423A to 1.80V)
	932Ah	1Hour Rate	(932A to 1.75V)
Internal resistance	Full charged at 25°C: 0.35 mΩ		
Max. Discharge Current	7500A(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. 300.0A ; Recom.150.0A		
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)

FV/Time	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	1840	1470	1016	628	450	309	218	178	106
1.65V	1747	1403	1000	617	445	306	215	178	106
1.70V	1663	1310	966	601	438	299	212	175	104
1.75V	1571	1226	932	585	432	292	208	171	102
1.80V	1411	1126	874	566	423	286	205	168	100
1.85V	1193	1000	818	544	407	276	198	165	97.1

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

FV/Time	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	3671	2915	1974	1235	949	635	454	376	202
1.65V	3494	2772	1873	1218	924	625	447	361	198
1.70V	3343	2654	1823	1193	899	612	437	360	193
1.75V	3167	2537	1756	1159	874	596	427	353	188
1.80V	3007	2444	1764	1126	848	578	417	344	185
1.85V	2755	2310	1613	1067	808	551	400	334	178

