

OPzV2-350

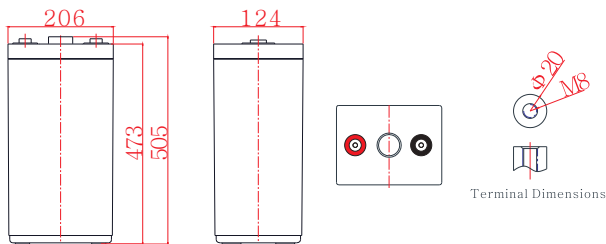


General Features

- > 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: 124(L)×206(W)×473(H)×505(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	350Ah	
Design life	20 years	
Terminal	M8	
Approx. Weight	Approx 28.5kg (62.8lbs)	
Container Material	ABS	
Rated Capacity	350Ah	10Hour Rate (35.0A to 1.80V)
	262.5Ah	3Hour Rate (87.5A to 1.80V)
	175Ah	1Hour Rate (175A to 1.80V)
Internal resistance	Full charged at 25°C: 0.60 mΩ	
Max. Discharge Current	1750A(5S)	
Operating Temperature	Discharge: -15~50°C(5~ 122°F)	
	Charge: -15~50°C(5~ 122°F)	
	Storage: -20~40°C(-4~ 104°F)	
Charge current:	Max. 70.0A ; Recom.35.0A	
Charge Method (25°C)	Float Charge:2.23-2.25V,recom.2.25V(-3mV/°C)	
	Equalize charge:2.30-2.40V,recom.2.35V(-4mV/°C)	
	Cycle charge:2.35-2.45V,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)

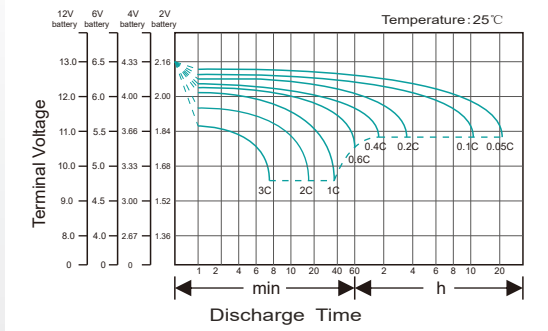
F.V/Time	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h
1.60V	364	286	208	130	94	74	63.2	55.6	44.9	36.7
1.65V	343	272	196	126	92	73	62.5	54.9	44.5	36.6
1.70V	324	260	192	123	90	72	61.7	54.1	44.0	36.4
1.75V	303	246	180	120	88	71	60.6	53.0	43.1	35.9
1.80V	282	230	175	116	87	69	59.5	51.6	42.1	35.0
1.85V	260	210	161	109	83	68	57.3	49.9	40.9	34.3

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

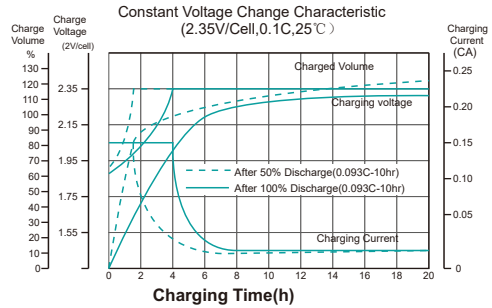
F.V/Time	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h
1.60V	627	502	379	243	177	141.2	120.1	105.9	85.8	70.3
1.65V	599	476	357	237	174	138.4	119.0	104.8	85.2	70.2
1.70V	567	457	352	232	172	138.1	117.8	103.4	84.5	70.0
1.75V	535	438	336	227	169	136.0	116.3	101.9	83.2	69.3
1.80V	506	421	322	222	166	133.2	114.0	99.4	81.3	67.4
1.85V	470	388	307	210	161	131.2	111.6	97.2	79.7	67.0

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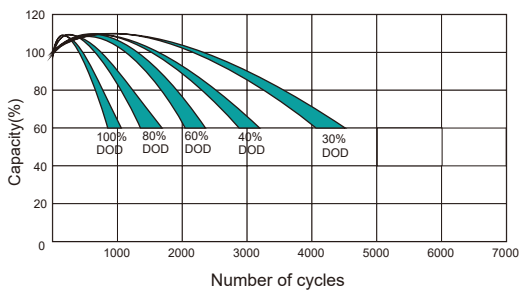
Discharge Characteristics Curve



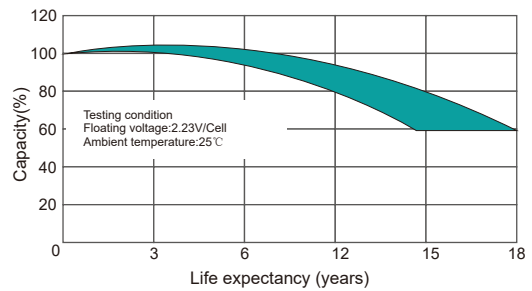
Charging Characteristics Curve



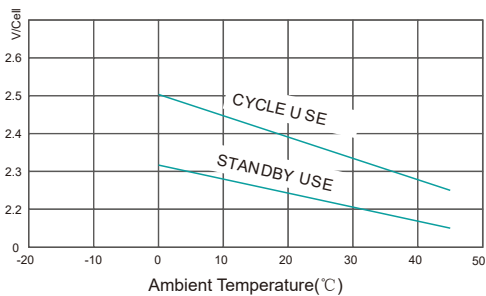
Cycle life of Different DOD



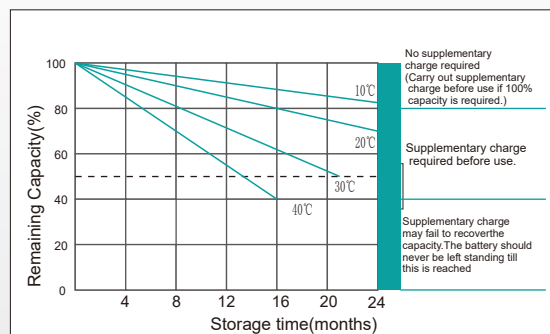
Float charging service life Curve



Charging voltage and temperature relationship



Self-discharge Characteristics



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