

## OPzV2-350 2Volt 350Ah

### OPzV Series Battery

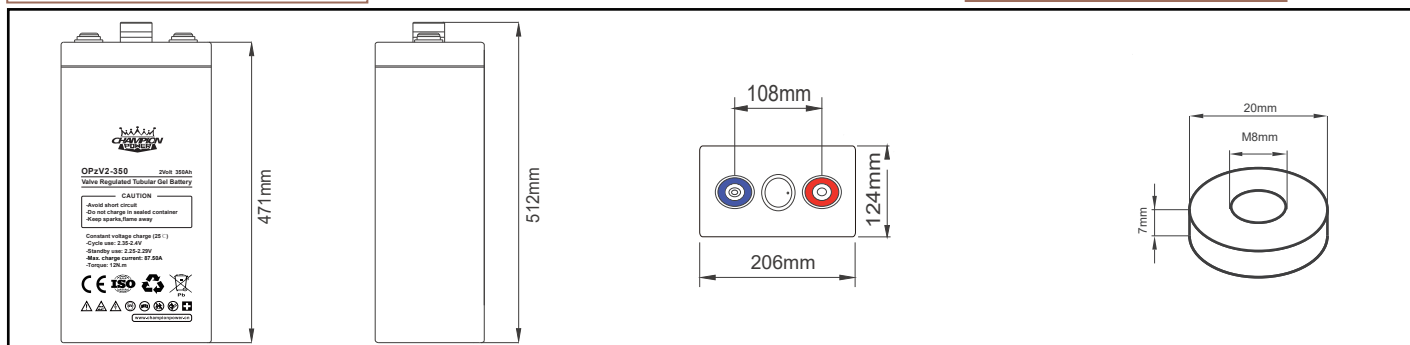
OPzV series adopts an Immobilized Gel and Tubular Positive Plate technology. It offers high reliability and stable performance. By using die-casted positive grid and patented active material formula, it exceeds the DIN standard values and offer 25+ years design life in float service. It is very suitable for cyclic use under extreme operating conditions. This series is recommended for telecom outdoor applications, solar system and other harsh environment applications.

### Specification

Battery Model	Nominal Voltage	2V		
	Rated Capacity (10Hour rate)	350Ah		
Floating Design Life @ 20°C	25+ years			
Dimension	Length	Width	Height	Total Height
	124mm	206mm	471mm	512mm
Approx Weight	27.00Kg			
Internal Resistance	Full charged at 20°C(77°F): Approx 0.70mΩ			
Max.Chargr Current	87.50A			
Max.Discharge Current	1500A(5s)			
Short Circuit Current	2850A			
Self Discharge	Approx. 2% per month @20°C			
Ambient Temperature	Discharge	-40~65°C		
	Charge	-30~65°C		
	Storage	-25~40°C		
Float Charge Voltage(20~25°C)	2.25~2.29V (-3mV/°C/cell)			
Equalize Charge Voltage(20~25°C)	2.35~2.40V(-5mV/°C/cell)			
Terminal Type	Female copper insert M8 (torque:10~12N.m)			
Container Material	ABS (UL94-V0 optional)			

### Outer dimension (mm)

### Terminal Type (mm)



### Constant Current Discharge Characteristics:Amps 20°C

F.V / TIME	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h
1.60V	538.76	371.56	342.30	275.80	185.64	129.36	97.72	81.97	66.22	45.08	37.38
1.65V	504.95	341.18	311.92	260.12	179.90	126.70	96.04	80.43	64.82	44.24	36.68
1.70V	426.58	292.18	276.92	238.70	169.12	123.20	94.36	78.89	63.42	43.54	35.98
1.75V	378.61	268.52	252.14	217.28	160.16	118.58	92.68	77.56	62.44	42.84	35.28
1.80V	344.43	253.26	229.74	185.22	147.14	113.54	90.16	75.67	61.18	42.14	35.00
1.85V	252.43	194.18	177.94	153.16	121.10	100.80	81.34	70.00	58.66	40.32	33.04
1.90V	161.07	123.90	120.40	112.56	95.06	81.76	68.60	59.71	50.82	36.26	29.96

### Long Time Dscharge Capacity

Capacity (Ah)	C <sub>10</sub>	C <sub>20</sub>	C <sub>24</sub>	C <sub>48</sub>	C <sub>72</sub>	C <sub>100</sub>	C <sub>120</sub>	C <sub>240</sub>
350	376	395	425	439	447	452	462	
Final Voltage	1.80V		1.85V					

### Parameters Settings

Over voltage disconnect	2.45±0.01V/cell @ 20~25°C
Regulation/equalize voltage	2.40±0.01V/cell @ 20~25°C
Array roconnection voltage	2.25±0.005V/cell @ 20~25°C
Float voltage setting	2.27±0.005V/cell @ 20~25°C
Low voltage alarm voltage	1.95±0.005V/cell @ 20~25°C
Low voltage disconnect	1.90±0.005V/cell @ 20~25°C
Load reconnect voltage	2.09±0.01V/cell @ 20~25°C
Temp. compensate coefficienty	-5mV/cell/°C

### Constant Power Discharge Characteristics:W/caell 20°C

F.V / TIME	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h
1.60V	888.96	631.54	585.90	477.96	326.62	231.56	176.82	149.19	121.52	83.86	70.00
1.65V	853.36	591.78	544.88	459.48	322.14	230.44	176.26	148.39	120.26	83.16	69.44
1.70V	746.52	515.90	491.68	428.26	307.02	226.66	175.28	146.89	119.28	82.88	68.88
1.75V	670.15	480.76	453.88	395.22	294.42	220.92	173.88	145.81	118.44	82.32	68.04
1.80V	623.42	460.88	420.00	341.74	274.40	214.48	171.78	144.53	117.74	82.04	66.78
1.85V	467.00	362.74	333.76	289.38	231.14	194.74	158.48	136.50	115.36	80.08	65.52
1.90V	309.25	239.26	233.24	219.24	186.48	161.56	136.64	119.42	101.64	73.08	60.62



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