

OPzV2-3000 2Volt 3000Ah

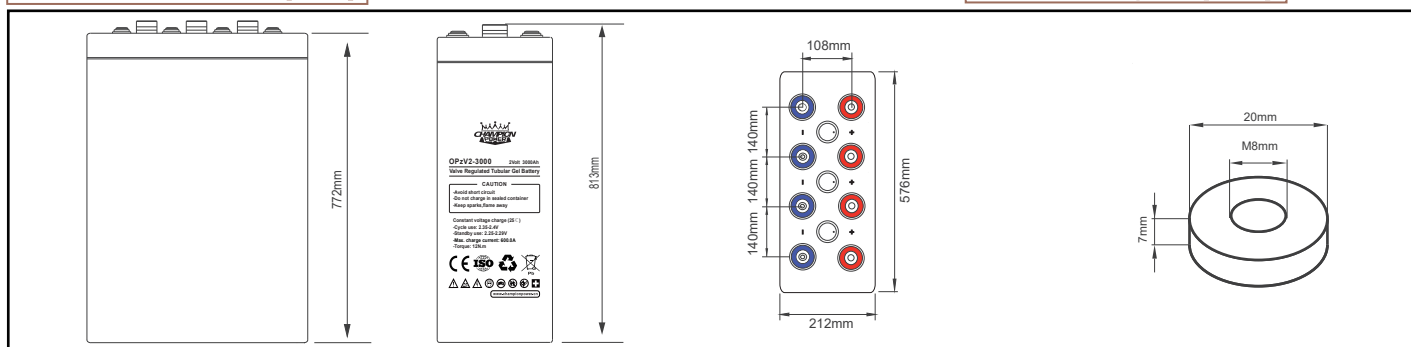
OPzV Series Battery

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)	3000Ah		
Floating Design Life @ 20°C	25+ years			
Dimension	Length	Width	Height	Total Height
	576mm	212mm	772mm	813mm
Approx Weight	214.0Kg			
Internal Resistance	Full charged at 20°C (77°F): Approx 0.16mΩ			
Max.Charge Current	600A			
Max.Discharge Current	4000A(5s)			
Short Circuit Current	12000A			
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	10min	15min	30min	1h	2h	3h	5h	8h	10h
1.90V	1062	1033	965	815	701	588	435	311	257
1.87V	1447	1351	1197	951	784	648	472	331	272
1.85V	1665	1525	1312	1038	864	697	503	346	283
1.83V	1940	1698	1419	1145	923	736	515	357	288
1.80V	2171	1969	1587	1261	974	772	525	362	300
1.75V	2302	2162	1862	1373	1017	794	535	368	303
1.70V	2504	2374	2046	1450	1056	809	544	373	309
1.65V	2924	2673	2229	1542	1086	823	556	379	315
1.60V	3184	2934	2364	1591	1108	838	567	386	320

Long Time Dscharge Capacity

Capacity (Ah)	C ₁₀	C ₂₀	C ₂₄	C ₄₈	C ₇₂	C ₁₀₀	C ₁₂₀	C ₂₄₀
	3000	3225	3285	3630	3750	3810	3801	3870
Final Voltage	1.80V							

Parameters Settings

Over voltage disconnect	2.45±0.01V/cell @ 20~25°C
Regulation/normalize voltage	2.40±0.01V/cell @ 20~25°C
Array reconnection 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 coefficient	-5mV/cell/°C

Constant Power Discharge Characteristics:W/caell 20°C

F.V/Time	10min	15min	30min	1h	2h	3h	5h	8h	10h
1.90V	2051	1999	1879	1599	1385	1171	872	627	520
1.87V	2742	2570	2293	1836	1532	1276	938	661	545
1.85V	3110	2860	2481	1981	1669	1358	989	686	562
1.83V	3581	3149	2651	2160	1764	1419	1000	701	567
1.80V	3950	3600	2929	2352	1839	1473	1010	703	573
1.75V	4121	3891	3387	2524	1894	1491	1016	706	583
1.70V	4422	4214	3670	2632	1943	1502	1022	710	590
1.65V	5072	4670	3938	2761	1975	1511	1031	713	595
1.60V	5414	5022	4097	2800	1985	1516	1041	719	600



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