

## OPzS2-3000 2Volt 3000Ah

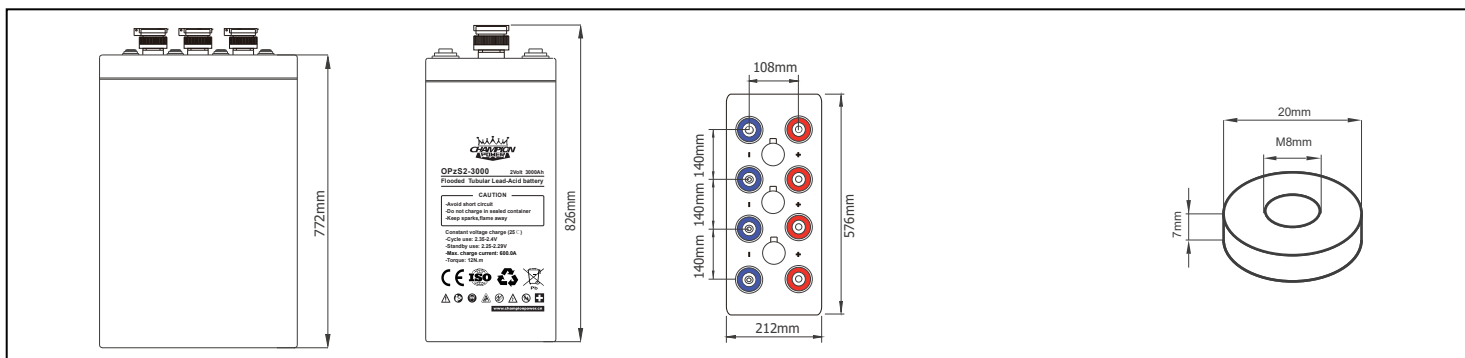
### OPzS Series Battery

OPzS series is a traditional tubular plate flooded battery which offers 25+ years design life according to the standard IEC60896-11. With a new design and technical improvement, it offers maximum efficiency and reliability for the widest variety of applications. This series is highly suited for all standby power applications that require the highest levels and security.

### 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	847mm
Approx Weight	Dry weight	170.0Kg		
	Wet weight	233.0Kg		
Electrolyte	Diluted Sulphuric acid of 1.240g/cm <sup>3</sup> (20°C) Acid weight: 63.0Kg			
Internal Resistance	Full charged at 20°C (77°F): Approx 0.32mΩ			
Max.Chargr Current	600A			
Max.Discharge Current	4000A(5s)			
Short Circuit Current	7200A			
Self Discharge	Approx. 4% per month @20°C			
Ambient Temperature	Discharge	-25~65°C		
	Charge	-20~65°C		
	Storage	-15~40°C		
Float Charge Voltage(20~25°C)	2.21~2.25V (-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	SAN			

### 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	4618	3185	2934	2364	1591	1109	838	703	568	386	320
1.65V	4328	2924	2674	2230	1542	1086	823	689	556	379	314
1.70V	3656	2504	2374	2046	1450	1056	809	676	544	373	308
1.75V	3245	2302	2161	1862	1373	1016	794	665	535	367	302
1.80V	2952	2171	1969	1588	1261	973	773	649	524	361	300
1.85V	2164	1664	1525	1313	1038	864	697	600	503	346	283
1.90V	1381	1062	1032	965	815	701	588	512	436	311	257

### 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>
	Final Voltage	1.80V	1.85V					

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

F.V / TIME	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h
1.60V	7620	5413	5022	4097	2800	1985	1516	1279	1042	719	600
1.65V	7315	5072	4670	3938	2761	1975	1511	1272	1031	713	595
1.70V	6399	4422	4214	3671	2632	1943	1502	1259	1022	710	590
1.75V	5744	4121	3890	3388	2524	1894	1490	1250	1015	706	583
1.80V	5344	3950	3600	2929	2352	1838	1472	1239	1009	703	572
1.85V	4003	3109	2861	2480	1981	1669	1358	1170	989	686	562
1.90V	2651	2051	1999	1879	1598	1385	1171	1024	871	626	520

### Parameters Settings

Over voltage disconnect	2.47±0.01V/cell @ 20~25°C
Regulation/equalize voltage	2.40±0.01V/cell @ 20~25°C
Array roconnection voltage	2.23±0.005V/cell @ 20~25°C
Float voltage setting	2.25±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	-4mV/cell/°C



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