

OPzS2-200 2Volt 200Ah

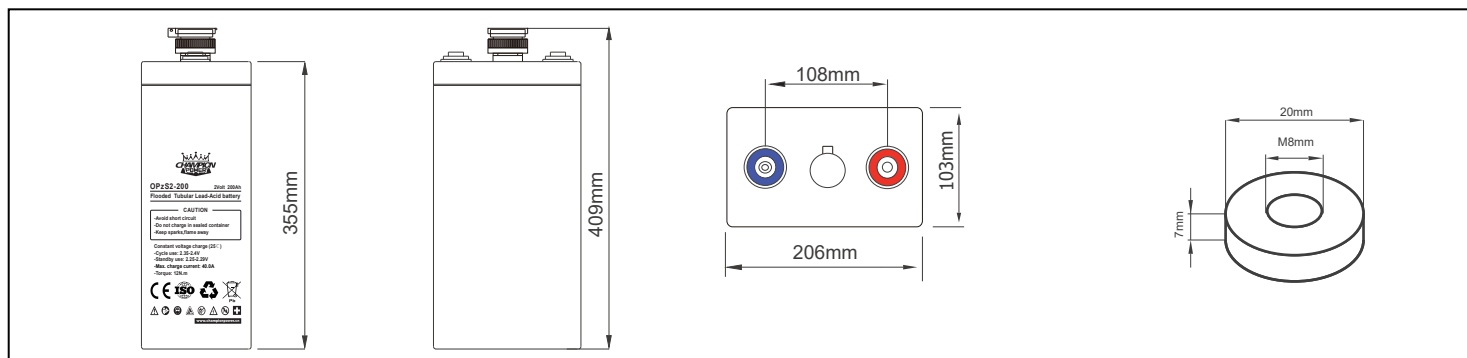
OPzS Series Battery

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)	200Ah		
Floating Design Life @ 20°C	25+ years			
Dimension	Length	Width	Height	Total Height
	103mm	206mm	355mm	399mm
Approx Weight	Dry weight	12.80Kg		
	Wet weight	17.30Kg		
Electrolyte	Diluted Sulphuric acid of 1.240g/cm ³ (20°C)			
	Acid weight: 4.5Kg			
Internal Resistance	Full charged at 20°C(77°F): Approx 0.90mΩ			
Max.Chargr Current	40A			
Max.Discharge Current	1000A(5s)			
Short Circuit Current	2600A			
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	308	212	196	158	106	74	56	47	38	26	21
1.65V	289	195	178	149	103	72	55	46	37	25	21
1.70V	244	167	158	136	97	70	54	45	36	25	21
1.75V	216	153	144	124	92	68	53	44	36	24	20
1.80V	197	145	131	106	84	65	52	43	35	24	20
1.85V	144	111	102	88	69	58	46	40	34	23	19
1.90V	92	71	69	64	54	47	39	34	29	21	17

Long Time Dscharge Capacity

Capacity (Ah)	C ₁₀	C ₂₀	C ₂₄	C ₄₈	C ₇₂	C ₁₀₀	C ₁₂₀	C ₂₄₀
		200	219	226	248	260	270	274
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	508	361	335	273	187	132	101	85	69	48	40
1.65V	488	338	311	263	184	132	101	85	69	48	40
1.70V	427	295	281	245	175	130	100	84	68	47	39
1.75V	383	275	259	226	168	126	99	83	68	47	39
1.80V	356	263	240	195	157	123	98	83	67	47	38
1.85V	267	207	191	165	132	111	91	78	66	46	37
1.90V	177	137	133	125	107	92	78	68	58	42	35

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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