

BSB®

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Lead Acid Battery

2V TUBULAR FLOODED BATTERY

OPzS Series

RANGE SUMMARY

The OPzS series is a traditional tubular plate flooded battery which offers 20+ 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 of reliability and security.

FEATURES AND BENEFITS

- 20+ years design life at floating condition
- Tubular positive plate with prolonged cycle life
- Highly operational reliability
- Better high-rate performance than VRLA type
- Lead calcium die cast grid with improved corrosion resistance capability
- Dry charged package and delivery ensure longer shelf life
- Explosive-proof with special designed vented plug

CONSTRUCTION

- Positive plate : Tubular plate with die cast alloy grid
- Negative plate : Balanced Pb-Ca grid for improved recombination efficiency
- Separator : leaf shape rubber separator
- Electrolyte : Dilute high purity sulphuric acid of 1.240 specific gravity
- Battery container : SAN
- Battery cover : ABS
- Pillar seal : Double layers epoxy resin seal
- Relief valve : Complete with integrated flame arrestor

CHARGING VOLTAGE AND SETTINGS

- Constant voltage charging is recommended
- Recommended float charge voltage: 2.23Vpc @ 20~25°C
- Float voltage temperature compensation: -3mV/°C/cell
- Float voltage range: 2.21 to 2.25 Vpc @ 20~25°C
- Cyclic application charge voltage : 2.35 to 2.40Vpc @ 20~25°C
- Max charge. current allowable : 0.20C10A



Capacity Range: 100Ah-3000Ah

General Specifications



Code No.	Voltage (V)	Capacity (AH)	Length		Width		Dimension Height		Total Height		Weight		Terminal Type
			mm	in	mm	in	mm	in	mm	in	Kg	Lb	
OPzS2-100	2	100	103	4.06	206	8.11	354	13.9	409	16.1	8.0	17.6	T22
OPzS2-150	2	150	103	4.06	206	8.11	354	13.9	409	16.1	10.5	23.1	T22
OPzS2-200	2	200	103	4.06	206	8.11	354	13.9	409	16.1	13.0	28.6	T22
OPzS2-250	2	250	124	4.88	206	8.11	354	13.9	409	16.1	15.5	34.2	T22
OPzS2-300	2	300	145	5.71	206	8.11	354	13.9	409	16.1	17.3	38.1	T22
OPzS2-350	2	350	124	4.88	206	8.11	470	18.5	525	20.7	20.4	45.0	T22
OPzS2-420	2	420	145	5.71	206	8.11	470	18.5	525	20.7	24.0	52.9	T22
OPzS2-500	2	500	166	6.54	206	8.11	470	18.5	525	20.7	26.0	57.3	T22
OPzS2-600	2	600	145	5.71	206	8.11	645	25.4	700	27.6	32.0	70.5	T22
OPzS2-800	2	800	191	7.52	210	8.27	645	25.4	700	27.6	42.0	92.6	T22
OPzS2-1000	2	1000	233	9.17	210	8.27	645	25.4	700	27.6	55.6	122	T22
OPzS2-1200	2	1200	275	10.8	210	8.27	645	25.4	700	27.6	65.8	145	T22
OPzS2-1500	2	1500	275	10.8	210	8.27	795	31.3	850	33.5	71.0	157	T22
OPzS2-2000	2	2000	399	15.7	210	8.27	771	30.4	826	32.5	107	235	T22
OPzS2-2500	2	2500	487	19.2	212	8.35	771	30.4	826	32.5	131	289	T22
OPzS2-3000	2	3000	576	22.7	212	8.35	771	30.4	826	32.5	155	342	T22

Applications

- Telecommunications
- UPS
- Data center
- Solar and wind energy system
- Power Utility

Complied Standards

- IEC 60896-11
- DIN40736
- Eurobat guide, long life
- BS6290 part 4
- UL1989
- IATA and IMDG

Available Series

- OPzV Series
- OPzS Series
- FAG Series
- FA Series
- TGF Series
- TG Series
- Solar Series
- LSG Series
- LSE Series
- HR Series
- DC Series
- DB Series
- GB Series

For more information and for the complete list of models, please visit our website: www.bsbpower.com or send an email to enquiry@bsbpower.com
Products specifications described herein are subject to change without prior notification.

Notes

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- BSB Power Company Limited (HQ)
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