

Valve Regulated Lead Acid Battery

2V TUBULAR GEL BATTERY

OPzV Series

RANGE SUMMARY

By combining the newly developed tubular positive plates with fumed gelled electrolyte, BSB created the innovative range of OpzV batteries. This series offers 20 years design life and very high deep cycling capabilities. The OPzV series is recommended for telecom outdoor applications, renewable energy systems and other harsh environment applications.

FEATURES AND BENEFITS

- 20 years design life at floating condition @ 20°C
- Wide operating temperature range from -15°C to 60°C
- Tubular positive plate with prolonged cycle life
- Fumed Silica gel electrolyte
- Lead Calcium die cast grid with improved corrosion resistance capability
- Low self-discharge rate and long shelf life (1 year at 25°C)
- Excellent deep discharge recovery capability

CONSTRUCTION

- Positive plate : Tubular plate with die cast Pb-Ca alloy grid
- Negative plate : Balanced Pb-Ca grid for improved recombination efficiency
- Separator : leaf shape polymer separator
- Electrolyte : Dilute high purity sulphuric acid with fumed Silica gel
- Battery container and cover : ABS
- Pillar seal : 100% factory tested, proven two layers epoxy resin seal
- Relief valve : Complete with integrated flame arrestor

CHARGING VOLTAGE AND SETTING

- Constant voltage charging is recommended
- Recommended float charge voltage: 2.27Vpc @ 20°C
- Float voltage temperature compensation: -3mV/°C/cell
- Float voltage range: 2.25 to 2.29 Vpc @ 20°C
- Cyclic application charge voltage : 2.35 to 2.40Vpc @ 20°C
- Max. charge current allowable : 0.20C₁₀A



Capacity Range: 150Ah-3000Ah

General Specifications



Code No.	Voltage (V)	Capacity (AH)	Dimension								Weight		Terminal Type	
			Length		Width		Height		Total Height		Kg	Lb		
			mm	in	mm	in	mm	in	mm	in	mm	in		
OPzV2-150	2	150	103	4.06	206	8.11	354	13.9	390	15.4	14.7	32.4	T22	
OPzV2-200	2	200	103	4.06	206	8.11	354	13.9	390	15.4	16.3	35.9	T22	
OPzV2-250	2	250	124	4.88	206	8.11	354	13.9	390	15.4	20.3	44.8	T22	
OPzV2-300	2	300	145	5.71	206	8.11	354	13.9	390	15.4	24	52.9	T22	
OPzV2-350	2	350	124	4.88	206	8.11	471	18.5	506	19.9	28.5	62.8	T22	
OPzV2-420	2	420	145	5.71	206	8.11	471	18.5	506	19.9	32	70.6	T22	
OPzV2-500	2	500	166	6.54	206	8.11	471	18.5	506	19.9	35.5	78.3	T22	
OPzV2-600	2	600	145	5.71	206	8.11	646	25.4	681	26.8	43.5	95.9	T22	
OPzV2-630	2	630	254	10.0	210	8.27	471	18.5	506	19.9	46	101	T22	
OPzV2-700	2	700	254	10.0	210	8.27	471	18.5	506	19.9	51	112	T22	
OPzV2-770	2	770	254	10.0	210	8.27	471	18.5	506	19.9	56	123	T22	
OPzV2-800	2	800	191	7.52	210	8.27	646	25.4	681	26.8	58.5	129	T22	
OPzV2-1000	2	1000	233	9.17	210	8.27	646	25.4	681	26.8	72	159	T22	
OPzV2-1200	2	1200	275	10.8	210	8.27	646	25.4	681	26.8	84	185	T22	
OPzV2-1500	2	1500	275	10.8	210	8.27	796	31.3	831	32.7	105	232	T22	
OPzV2-2000	2	2000	399	15.7	212	8.35	772	30.4	807	31.8	156	344	T22	
OPzV2-2500	2	2500	487	19.2	212	8.35	772	30.4	807	31.8	185	408	T22	
OPzV2-3000	2	3000	576	22.7	212	8.35	772	30.4	807	31.8	220	485	T22	

Applications

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

Complied Standards

- IEC 60896-21/22
- DIN40742
- Eurobat guide, long life
- BS6290 part 4
- UL1989
- IATA and IMDG

Available Series

- General Series
- Duration Series
- Deep Cycle Series
- High Rate Series
- Solar Series
- FA Series
- FAG Series
- LSE Series
- LSG Series
- OPzV Series
- OPzS Series
- TGF 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

Headquarters and subsidiaries

- BSB Power Company Limited (HQ)
- BSB Power Europe (France)
- BSB Power Malaysia Sdn. Bhd
- PT. BSB Indonesia
- BSB Power (Thailand) Co., Ltd
- BSB Power Company Pakistan Ltd



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