

Valve Regulated Lead Acid Battery

2V AGM BATTERY

LSE Series

RANGE SUMMARY

The LSE series has a 20 years design life in float service. With heavy duty grids, thicker plates, special additives and updated AGM Valve Regulated technology, the LSE series battery provides consistent performance and long service life.

This series is highly suited for telecommunications, UPS systems, renewable energy systems, power stations and similar applications.

FEATURES AND BENEFITS

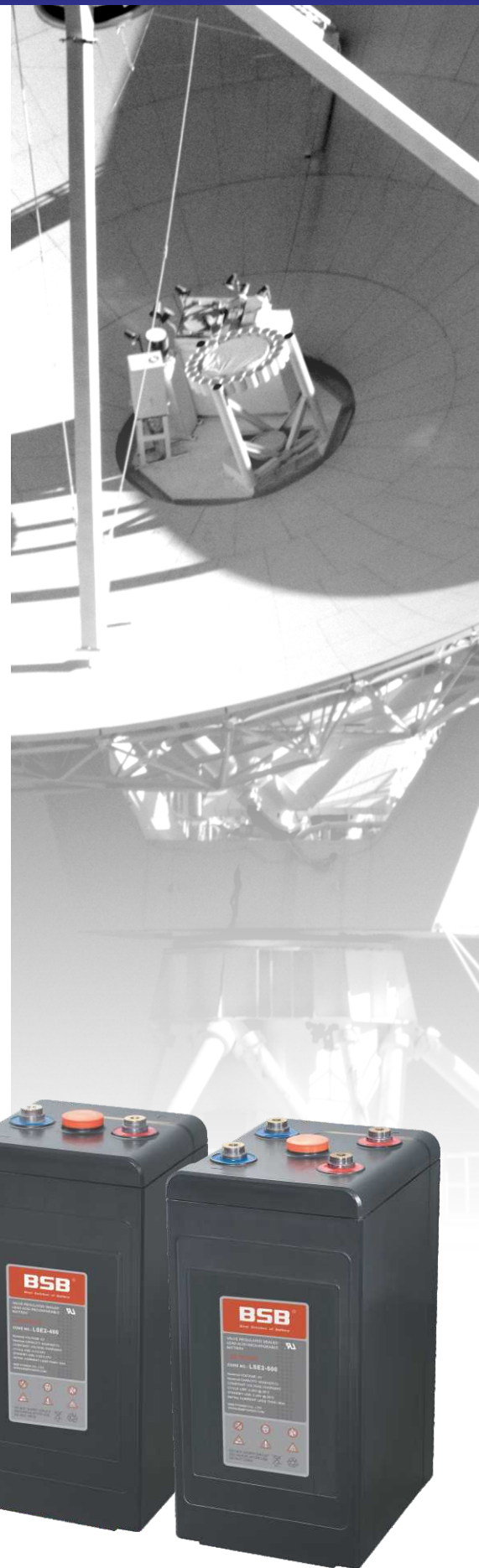
- 20 years design life in floating condition
- Wide operating temperature range from -15°C to 55°C
- High integrity, dual pillar seal design
- Low float current designed paste enables significant electrical cost saving
- Thick positive flat plate design with high Tin low Calcium alloy
- Low self-discharge rate
- High gas recombination efficiency as high as 99.9%

CONSTRUCTION

- Positive plate : Thick high Sn low Ca grid to resist corrosion and prolong life
- Negative plate : Balanced Pb-Ca grid for improved recombination efficiency
- Separator : Advanced AGM separator for ultra low float current
- Electrolyte : Dilute high purity sulphuric acid
- 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 SETTINGS

- Constant voltage charging is recommended
- Recommended float charge voltage: 2.25Vpc @ 20~25°C
- Float voltage temperature compensation: -3mV/°C/cell
- Float voltage range: 2.25 to 2.29 Vpc @ 20~25°C
- Cyclic application charge voltage : 2.35 to 2.40Vpc @ 20~25°C
- Max. charge current allowable : 0.25C10A



Capacity Range: 50Ah-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			
LSE2-50	2	50	161	6.34	50	1.97	166	6.54	166	6.54	3.0	6.62	T17		
LSE2-100	2	100	171	6.73	72	2.84	205	8.07	220	8.66	6.0	13.2	T22		
LSE2-150	2	150	172	6.77	102	4.02	206	8.11	221	8.70	8.5	18.7	T22		
LSE2-200	2	200	173	6.81	109	4.29	330	13.0	365	14.4	12.8	28.2	T22		
LSE2-200A	2	200	94.5	3.72	184.5	7.26	360.5	14.2	372	14.6	14.0	30.9	T22		
LSE2-250	2	250	173	6.81	109	4.29	330	13.0	365	14.4	14.5	32.0	T22		
LSE2-300	2	300	123	4.84	184.5	7.26	360.5	14.2	372	14.6	19.0	41.9	T22		
LSE2-400	2	400	166	6.54	184.5	7.26	360.5	14.2	372	14.6	25.0	55.1	T22		
LSE2-500	2	500	195	7.66	184.5	7.26	360.5	14.2	372	14.6	30.0	66.2	T22		
LSE2-600	2	600	223	8.78	184.5	7.26	360.5	14.2	372	14.6	35.5	78.3	T22		
LSE2-800	2	800	154	6.06	229	9.02	555	21.9	566	22.3	52.0	115	T22		
LSE2-1000	2	1000	186	7.32	229	9.02	555	21.9	566	22.3	62.0	137	T22		
LSE2-1200	2	1200	225	8.86	229	9.02	555	21.9	566	22.3	75.0	165	T22		
LSE2-1500	2	1500	266	10.4	229	9.02	555	21.9	566	22.3	92.0	203	T22		
LSE2-2000	2	2000	349	13.7	233	9.17	555	21.9	566	22.3	121	267	T22		
LSE2-3000	2	3000	496	19.5	363	14.3	362	14.3	374	14.7	175	386	T22		

Applications

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

Complied Standards

- IEC 60896-21/22
- Eurobat guide, long life
- BS6290 part 4
- YD/T 799
- 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

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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