

Valve Regulated Lead Acid Battery

2V HYBRID GEL BATTERY

LSG Series

RANGE SUMMARY

By combining the newly developed nano gel electrolyte with up-to-date AGM structures, BSB created the innovative LSG range of batteries. This range offers 20 years design life with very high deep cycling capability.

This series is highly suited to telecom outdoor applications, renewable energy systems and other harsh environment applications.

FEATURES AND BENEFITS

- 20 years design life in floating condition
- Wide operating temperature range from -40°C to 60°C
- Nano gel electrolyte eliminate the acid stratification and prolong cycle life
- Can be used in vertical or horizontal orientation
- Float current decreased 30% lead to excellent high temperature resistance
- Thick flat plate with high Tin low Calcium alloy
- Low self-discharge rate
- Excellent deep discharge recovery capability

CONSTRUCTION

- Positive plate : Thick high Sn low Ca grid minimize 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 with nano 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 SETTINGS

- Constant voltage charging is recommended
- Recommended float charge voltage: 2.25Vpc @ 25°C
- Float voltage temperature compensation: -3mV/°C/cell
- Equalize charge voltage : 2.35 Vpc @25°C
- Max. charge current allowable : 0.25C₁₀A



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		
LSG2-150	2	150	172	6.77	102	4.02	206	8.11	221	8.70	8.70	19.2	T22	
LSG2-200	2	200	173	6.81	109	4.29	330	12.9	365	14.3	13.5	29.8	T22	
LSG2-250	2	250	173	6.81	109	4.29	330	12.9	365	14.3	14.7	32.4	T22	
LSG2-300	2	300	126	4.96	187	7.36	361	14.2	375	14.7	19.4	42.8	T22	
LSG2-350	2	350	126	4.96	187	7.36	361	14.2	375	14.7	22.0	48.5	T22	
LSG2-400	2	400	166	6.54	184	7.26	361	14.2	375	14.7	25.5	56.2	T22	
LSG2-450	2	450	166	6.54	184	7.26	361	14.2	375	14.7	27.5	60.6	T22	
LSG2-500	2	500	197	7.78	187	7.36	361	14.2	375	14.7	31.0	68.3	T22	
LSG2-600	2	600	223	8.78	184	7.26	361	14.2	375	14.7	36.0	79.4	T22	
LSG2-800	2	800	154	6.06	229	9.02	555	21.8	566	22.2	52.7	116	T22	
LSG2-1000	2	1000	186	7.32	229	9.02	555	21.8	566	22.8	62.8	138	T22	
LSG2-1200	2	1200	225	8.86	229	9.02	555	21.8	566	22.8	75.5	166	T22	
LSG2-1500	2	1500	265	10.4	229	9.02	555	21.8	566	22.2	93.0	205	T22	
LSG2-2000	2	2000	349	13.7	233	9.17	555	21.8	566	22.2	122	269	T22	
LSG2-3000	2	3000	496	19.5	363	14.2	362	14.2	374	14.7	176	388	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

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

