

Valve Regulated Lead Acid Battery

12V TUBULAR GEL BATTERY

TG Series

RANGE SUMMARY

The TG series is designed to meet the requirements of heavy duty applications in high temperature. The TG series has a unique positive tubular plates and gelled electrolyte designed to offer both a longer float life and deep cycling capability.

This series is highly suited for renewable energy and telecommunication systems where reliability and performance are the priorities. These newly developed batteries can achieve an extraordinary long design life of 15 years and are totally maintenance free.

FEATURES AND BENEFITS

- 15 years design life at floating condition
- Wide operating temperature range from -20°C to 60°C
- Tubular positive plate with prolonged cycle life
- Gelled electrolyte
- High corrosion resistance grid alloy
- Low self-discharge rate and long shelf life (9 months at 20°C)
- Excellent deep discharge recovery capability

CONSTRUCTION

- Positive plate : Tubular plate
- Negative plate : Pb-Ca flat plate
- 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: 2.27Vpc @ 20~25°C
- Float voltage temperature compensation: -3mV/°C/cell
- Float voltage range: 2.27 to 2.30 Vpc @ 20~25°C
- Cyclic application charge voltage : 2.35~2.40Vpc @ 20~25°C
- Max. charge current allowable : 0.20C10A



Capacity Range: 100Ah-150Ah

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	mm	in		
TG12-100	12	100	406	16.0	174	6.85	208	8.19	233	9.17	36.3	80.0	T19
TG12-150	12	150	530	20.9	209	8.23	214	8.43	219	8.62	51.1	112.7	T19

For more information, 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.

Applications

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

Notes

Complied Standards

- IEC 60896-21/22
- IEC 61427
- YD/T 799
- Eurobat guide, long life
- BS6290 part 4
- UI1989
- 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

Headquarters and subsidiaries

- BSB Power Company Limited (HQ)
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ISO9001



ISO14001



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