

Valve Regulated Lead Acid Battery

12V HYBRID GEL FRONT ACCESS BATTERY

FAG Series

RANGE SUMMARY

By combining the newly developed Nano Gel electrolyte with up-to-date AGM structures, BSB FAG (Front Access Gel) range of batteries features 15 years design life and front access connections for fast, easy installation and maintenance.

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

FEATURES AND BENEFITS

- · 15 years design life in floating condition
- Wide operating temperature range from -15°C to 60°C
- · Nano gel electrolyte eliminate the acid stratification and prolong cycle life
- Front access terminal with standard width for 19" and 23" ETSI racks
- 30% decreased float current lead to excellent high temperature resistance
- · Thick flat plate with high Tin low Calcium alloy
- Low self-discharge rate and long shelf life (9 months at 20°C)
- · 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: 2.27Vpc @ 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: 0.25C10A







Capacity Range: 50Ah-200Ah

General Specifications



Applications

- · Outdoor Applications
- Telecommunications
- · Renewable Energy system
- Power Utility

Complied Standards

- IEC 60896-21/22
- · Eurobat guide, long life
- BS6290 part 4
- JISC 8704
- YD/T 799
- UL1989
- IATA and IMDG

| Code No. | Voltage (V) | Capacity (AH) | Len mm | gth in | Wi mm | Dim dth in | ension He mm | ight in | Total I | Height in | Wei _j Kg | ght Lb | Terminal Type |
|-------------|----------------|------------------|-----------|-------------|----------|--------------------|--------------------|--------------|---------|----------------|------------------------|-----------|------------------|
| FAG6-200 | 6 | 200 | 363 | 14.3 | 125 | 4.92 | 250 | 9.84 | 250 | 9.84 | 34.0 | 74.9 | T21 |
| FAG12-50 | 12 | 50 | 390 | 15.4 | 105 | 4.13 | 200 | 7.87 | 200 | 7.87 | 21.3 | 47.0 | T20 |
| FAG12-85 | 12 | 85 | 390 | 15.4 | 105 | 4.13 | 270 | 10.6 | 270 | 10.6 | 31.0 | 68.3 | T20 |
| FAG12-100 | 12 | 100 | 395 | 15.6 | 110 | 4.33 | 285 | 11.2 | 285 | 11.2 | 33.0 | 72.7 | T19 |
| FAG12-100/ | A 12 | 100 | 395 | 15.6 | 110 | 4.33 | 285 | 11.2 | 285 | 11.2 | 31.5 | 69.5 | T19 |
| FAG12-100 | B 12 | 100 | 506 | 19.9 | 110 | 4.33 | 224 | 8.82 | 239 | 9.40 | 32.0 | 70.6 | T19 |
| FAG12-1000 | C 12 | 100 | 390 | 15.4 | 105 | 4.13 | 287 | 11.3 | 287 | 11.3 | 34.0 | 74.9 | T19 |
| FAG12-100I | D 12 | 100 | 390 | 15.4 | 105 | 4.13 | 287 | 11.3 | 287 | 11.3 | 34.0 | 74.9 | T19 |
| FAG12-125 | 12 | 125 | 558 | 21.9 | 125 | 4.92 | 270 | 10.6 | 270 | 10.6 | 46.0 | 101 | T19 |
| FAG12-150 | 12 | 150 | 550 | 21.7 | 110 | 4.33 | 285 | 11.2 | 285 | 11.2 | 44.5 | 98.1 | T19 |
| FAG12-155 | 12 | 155 | 550 | 21.7 | 110 | 4.33 | 285 | 11.2 | 285 | 11.2 | 48.5 | 107 | T19 |
| FAG12-160 | 12 | 160 | 546 | 21.5 | 125 | 4.92 | 315 | 12.4 | 315 | 12.4 | 51.5 | 114 | T19 |
| FAG12-180 | 12 | 180 | 546 | 21.5 | 125 | 4.92 | 315 | 12.4 | 315 | 12.4 | 54.0 | 119 | T19 |
| FAG12-200 | 12 | 200 | 522 | 20.6 | 238 | 9.37 | 218 | 8.58 | 221 | 8.70 | 64.0 | 141 | T19 |

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.

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

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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