

AFT & GFT Series VRLA Batteries

55 - 256AH (12 Volt) Front Access (AGM & Gelled Electrolyte)



The SBS "AFT/GFT" series valve regulated lead-acid (VRLA) rechargeable batteries are maintenance free. The AFT series combines AGM (absorbed glass mat) technology with virgin lead components to ensure minimum gassing, reduced float currents, increased life and safety. The GFT series utilizes a gelled electrolyte technology designed for cyclic applications.

AFT / GFT Features

- Design life of 15 years in float service at 77°F (25°C)
- Excels at high-rate discharge and recharge
- AFT Series ideal for stationary/float applications
- GFT Series ideal for cyclic applications
- High cyclic life capability +500 C/3 @ 80% DOD (Gel)
- Flame retardant (UL 94 VO) PC-ABS plastic case and cover.
- Leak-free terminal seal design
- Brass terminals provide maximum high rate performance and no annual retorquing
- Handles for easy handling
- Non-hazardous cargo for ground, sea and air transportation
- Front access terminal covers
- Intercell connector included
- Other sizes available

AGM (AFT Series) Advantages:

- Best for high rate applications
- Lower initial cost
- Ideal for starting and stationary applications

Gel (GFT Series) Advantages:

Gel technology has a number of advantages over AGM batteries.

- Increased durability and deep cycle ability for heavy demand
- Full recovery from deep discharge even when battery is not immediately charged
- High tolerance to discharge when a full charge has not been achieved
- Improved cycle life
- Operates cooler — gel technology provides better thermal transfer

Applications:

- Telecommunications
 - Wireless
 - Central Office
 - Outside Plant
- Utility
- UPS
- Solar/Photovoltaic

Construction

Plates	Lead calcium-tin alloy grid
Casing material	ABS flame retardant VO plastic
Electrolyte	Available in both AGM and Gel
Float voltage	2.25V/cell
Equalizing voltage	2.35V/cell
Temperature range	5°F to 113°F (-15°C to +45°C)

SBS Front Access Products Are Compliant With:

- Telcordia SR4228
- Bellcore GR-63-Core Issue 1
- DOT 49CFR173.159(d) and (ii)
- UL Approval
- British and German Telecom standards
- Compliant with BS 6290 Part 4 and IEC 60896-2

AFT Series

Technical Data					
Part No.*	10Hr AH rate	Voltage(V)	Dimensions (in.)	Weight (lbs)	I.R. (mOhms)
12AFT100	106	12	20.0L x 4.29W x 9.37H	73	3.3
12AFT110	112	12	15.5L x 4.29W x 11.3H	84	3.3
12AFT125	121	12	21.7L x 4.29W x 9.41H	84	2.8
12AFT160	152	12	21.7L x 4.29W x 11.3H	112	4.0
12AFT180	182	12	22.05L x 4.92W x 12.5H	132	1.7

Part No.	Performance Data							
	Amps to 1.75Vpc							
	5 min	30 min	1h	3h	5h	8h	10h	20h
12AFT100	336	101	65.1	28	18.9	11.9	10.6	5.78
12AFT110	345	105	68.4	28.8	19	12.3	11.2	5.88
12AFT125	384	115	74.4	32.4	21.6	13.6	12.1	6.60
12AFT160	480	144	93.0	40.5	27.0	17.0	15.2	8.25
12AFT180	576	173	112	48.6	32.4	20.3	18.2	9.90

**Additional models available.
Please contact SBS for more information.*

GFT Series

Technical Data					
Part No.*	10Hr AH rate	Voltage(V)	Dimensions (in.)	Weight (lbs)	I.R. (mOhms)
12GFT100	101	12	20.0L x 4.29W x 9.37H	73	7.5
12GFT160	154	12	21.7L x 4.29W x 11.3H	113	5.0
12GFT180	174	12	22.1L x 4.92W x 12.5H	133	6.0

Part No.	Performance Data							
	Amps to 1.75Vpc							
	5 min	30 min	1h	3h	5h	8h	10h	20h
12GFT100	284	107	62.3	25.2	16.3	12.0	10.1	5.21
12GFT160	432	164	95.0	38.4	24.8	18.3	15.4	7.94
12GFT180	487	184	107	43.3	27.9	20.6	17.4	8.93

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SBS reserves the right to change specifications and designs without notice.
Illustrations, data, dimensions and weights given in this brochure are for guidance only and cannot be held binding on the company.