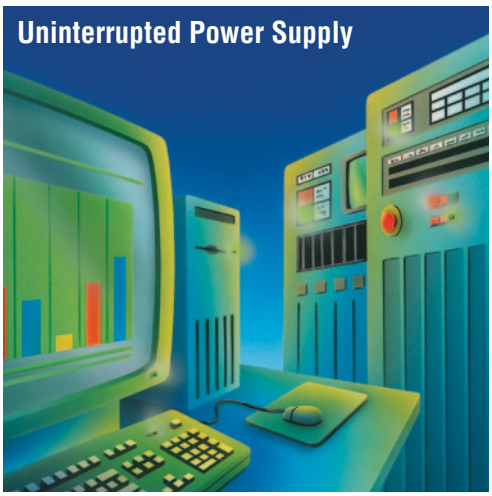
BAE *SECURA*

Made in Germany



Batteries for Stationary Applications

BAE

Energy from Batteries

BAE *SECURA* Batteries for Stationary Appl

Applications				
				
Type	**OPzS Cells**	**OPzS Block**	**OPzV Cells**	**OPzV Block**
				
System	vented (VLA)	vented (VLA)	valve regulated (VRLA)	valve regulated (VRLA)
Nominal capacity (10 h)	100 – 3,250 Ah	50 – 300 Ah	100 – 3,250 Ah	50 – 900 Ah
Voltage	2 V	6 V, 12 V	2 V	2 V, 6 V, 12 V
Positive electrode	Tubular PbSbSnSe	Tubular PbSbSnSe	Tubular PbCaSn	Tubular PbCaSn
Container (UL-94 rating)	SAN (HB)	SAN (HB)	ABS (HB / V-0)	SAN / ABS (HB / V-0)
Electrolyte	Liquid	Liquid	GEL	GEL
Typical discharge time	30 min – 10 h	30 min – 10 h	30 min – 10 h	30 min – 10 h
Water refilling interval[1)]	> 3 years	> 3 years	N/A	N/A
Pole bushing	100 % tight	100 % tight	100 % tight	100 % tight
Service life (years)	20+	18	20	18
Cycles IEC 60896-11/-21/-22	> 1,500	> 1,200	> 1,500	> 1,500
Float voltage (V/cell)	2.23	2.23	2.25	2.25

Reference temperature: 20 °C

[1)] Under nominal conditions, float service

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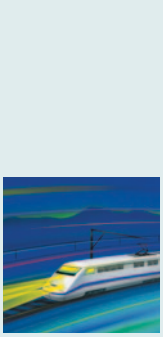
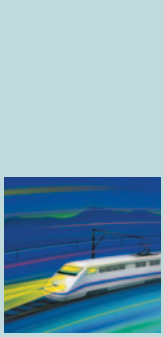
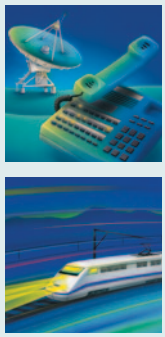








OGi Cells	OGi Block	OGiV Block
		
vented (VLA)	vented (VLA)	valve regulated (VRLA)
200 – 2,400 Ah	25 – 900 Ah	25 – 900 Ah
2 V	2 V, 6 V, 12 V	2 V, 6 V, 12 V
Round Grid PbSbSnSe	Round Grid PbSbSnSe	Round Grid PbCaSn
SAN (HB)	SAN (HB)	SAN/ABS (HB/V-0)
Liquid	Liquid	GEL
5 min – 10 h	5 min – 10 h	5 min – 10 h
> 3 years	> 3 years	N/A
100 % tight	100 % tight	100 % tight
20	16	15
> 1,200	> 1,000	> 800
2.23	2.23	2.25

What makes BAE batteries so reliable …

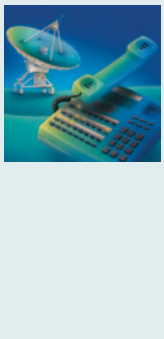
BAE stationary batteries are used wherever perfect reliable power supply has to be ensured, both for a few seconds and for hours. Typical applications are Uninterrupted Power Supply (UPS) – systems as to be found in data centers, telecommunication installations or hospitals and airports. Further applications are backup systems used in power plants or industry and infrastructure systems.

BAE stationary batteries are available in low maintenance VLA and maintenance free VRLA-GEL design. For high current applications, batteries with positive grid plates (OGi or OGiV) are used. In applications which require long term discharges and/or high cycle life, batteries with positive tubular plates (OPzS or OPzV) are used. Moreover BAE is able to supply tailor-made solutions.

BAE stationary batteries reflect outstanding quality by:

- approved service life of more than 20 years for cells
- fully insulated battery design to ensure touch protection
- excellent deep discharge capability
- slidable patented BAE “Panzerpole” for perfect reliability
- external intercell connector design for all block batteries
- easy access for measurements via service ring and pole screw

BAE *Secura S-Line*

Applications					
					
Type	**SPzS**	**SPzV**	**SGi**	**SGiV**	**48 V/60 V** Front Terminal Battery (SPzV/SGiV)
					
System	vented (VLA)	valve regulated (VRLA)	vented (VLA)	valve regulated (VRLA)	valve regulated (VRLA)
Nominal capacity (10 h)	140 – 700 Ah	120 – 1,100 Ah	75 – 500 Ah	75 – 500 Ah	75 – 1,100 Ah
Voltage	2 V	2 V	2 V	2 V	48 V/60 V
Positive electrode	Tubular PbSbSnSe	Tubular PbCaSn	Round Grid PbSbSnSe	Round Grid PbCaSn	Tubular/Round Grid PbCaSn
Container (UL-94 rating)	PP (HB)	PP (HB/V-0)	PP (HB)	PP (HB)	PP (HB/V-0)
Electrolyte	Liquid	GEL	Liquid	GEL	GEL
Typical discharge time	30 min – 10 h	30 min – 10 h	5 min – 10 h	5 min – 10 h	5 min – 10 h
Water refilling interval[1)]	~ 2 years	N/A	~ 2 years	N/A	N/A
Pole bushing	100 % tight	100 % tight	100 % tight	100 % tight	100 % tight
Service life (years)	14	12	10	9	12/9
Cycles IEC 60896-11/-21/-22	> 1,000	1,000	800	600	1,000/600
Float voltage (V/cell)	2.23	2.27	2.23	2.25	2.27/2.25

[1)] Under nominal conditions, float service

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Made in Germany ISO 9001:2008 Quality Management by BAE

Made in Germany ISO 14001:2009 Environmental Management by BAE

Made in Germany OHSAS 18001:2007 Health and Safety Management by BAE

BAE Energy from Batteries

05/2013 480 4046 Technical details may be subject to alterations. www.filusch-fiore.de