

Front Access SLA Battery

Range Summary

By combining the newly developed paste formula with up-to-date AGM structures, BSB created the innovation FA range of batteries. The range features 12 years design life and front access connections for fast, easy installation and maintenance. This series is highly suited to telecom applications, UPS systems and other back up applications.

Application

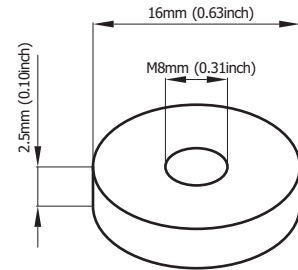
- Telecom
- Control Equipment
- UPS
- Communication Equipment
- Medical Equipment
- Emergency Power System

General Features

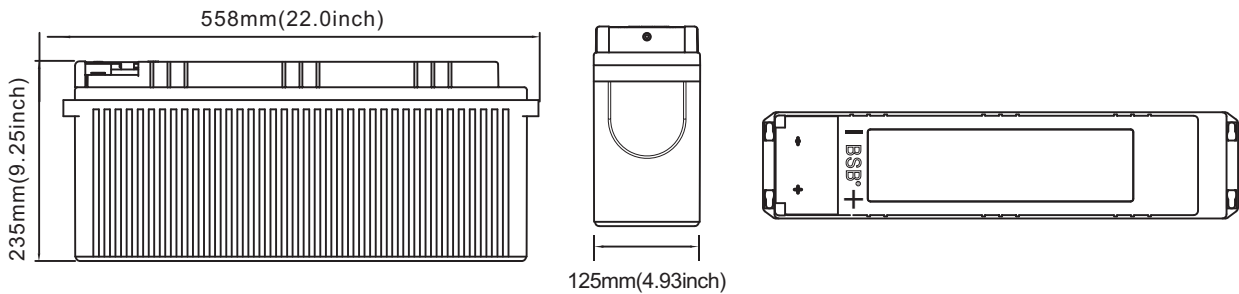
- Easy maintenance and installation
- No need for extra (wrench space) above battery
- Sealed and maintenance free operation
- Non-Spillable construction design
- ABS containers and covers(UL94 V0,optional)
- Safety valve installation for explosion proof
- Maximized energy density for installation in relay rack trays
- High quality and high reliability
- Exceptional deep discharge recovery performance
- Flexible design for multiple installation positions

Construction

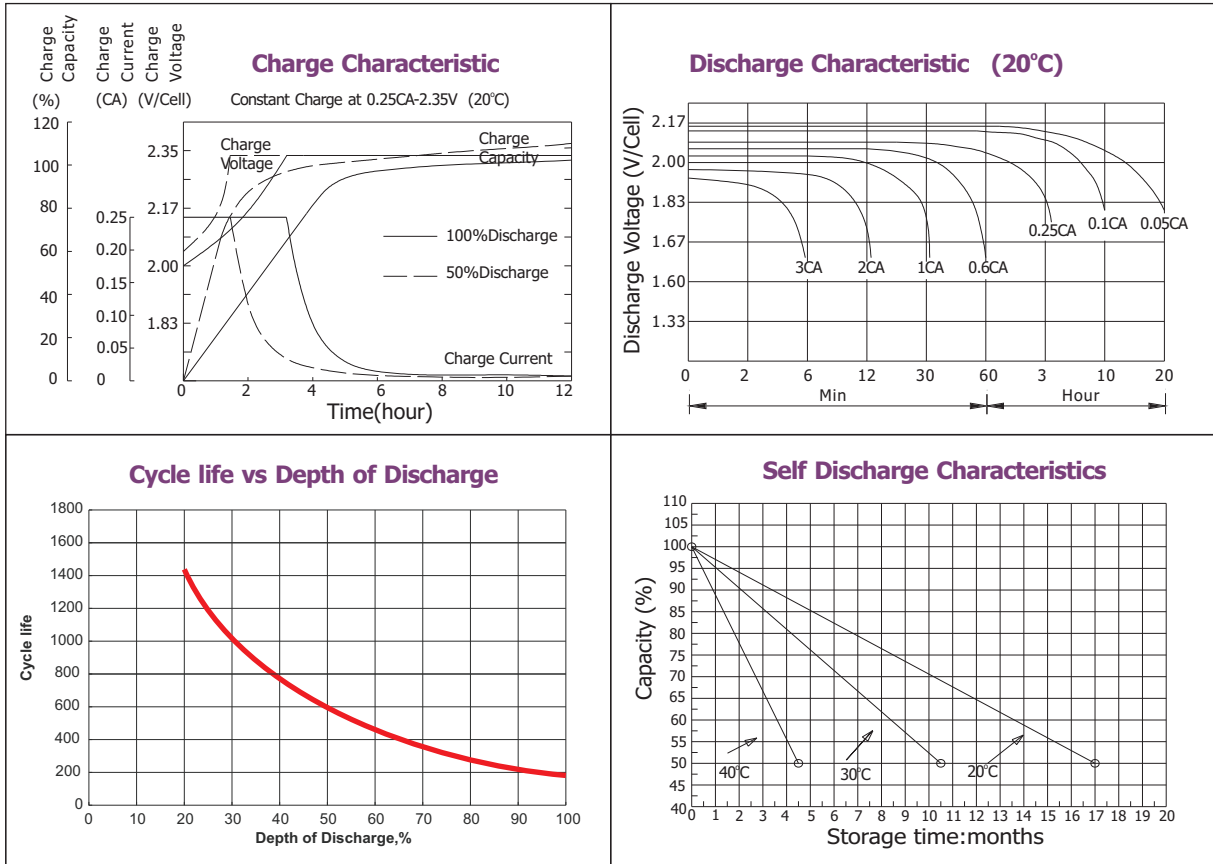
- Positive Lead dioxide
- Negative Lead
- Container ABS
- Cover ABS
- Sealant Epoxy Resin
- Safety valve EPDM
- Terminal Copper
- Separator AGM
- Electrolyte Sulfuric acid



Terminal Dimensions



Battery Model	FA12-100E			
Designed Floating Life	12 Years			
Capacity(20°C)	20HR(5.29A,1.80V)	10HR(10A,1.80V)	5HR(17.2A,1.75V)	1HR(66.0A,1.60V)
	106Ah	100Ah	86.0Ah	66.0Ah
Dimensions	Length	Width	Height	Total Height
	558mm(22.0inch)	125mm(4.93inch)	235mm(9.25inch)	235mm(9.25inch)
Approx. Weight	35Kg (77.2 lbs)			
Internal Resistance	Full charged at 20°C: 0.006 Ohm			
Self Discharge	3% of capacity declined per month at (20°C)			
Capacity Affected by Temp.(10HR)	40°C	20°C	0°C	-15°C
	109%	100%	85%	65%
Charge Voltage(20°C)	Cycle use		Float use	
	14.1-14.4V(-30mV/ °C), max. Current: 25A		13.5-13.7V(-18mV/ °C)	



Constant current discharge ratings-amperes at 20°C

F.V/Time	5min	10min	15min	30min	1h	3h	4h	5h	10h	20h
1.60V	350	240	175	105	66.0	26.0	20.0	17.7	10.6	5.53
1.67V	315	219	170	102	65.9	25.8	19.9	17.5	10.5	5.51
1.70V	299	211	164	100	65.7	25.7	19.8	17.4	10.4	5.50
1.75V	266	195	155	98.0	65.0	25.5	19.7	17.2	10.2	5.49
1.80V	240	181	148	95.0	64.2	25.2	19.5	17.0	10.0	5.29
1.85V	182	149	128	87.4	63.5	25.0	19.4	16.6	9.83	4.98

Constant power discharge ratings-watts at 20°C

F.V/Time	5min	10min	15min	30min	1h	3h	4h	5h	10h	20h
1.60V	577	398	310	198	130	52.4	42.5	36.5	21.2	10.9
1.67V	547	393	307	194	126	52.2	42.3	36.3	20.9	10.7
1.70V	511	383	302	189	122	52.0	42.1	36.2	20.7	10.5
1.75V	476	358	284	184	121	51.6	41.9	36.1	20.4	10.3
1.80V	427	333	267	179	119	50.9	41.3	35.5	20.0	10.1
1.85V	342	276	233	164	118	50.7	40.9	35.0	19.7	9.86

