

SBS Fibre Plate Ni-Cad Batteries

Flooded Nickel Cadmium Cells 11AH - 1500AH

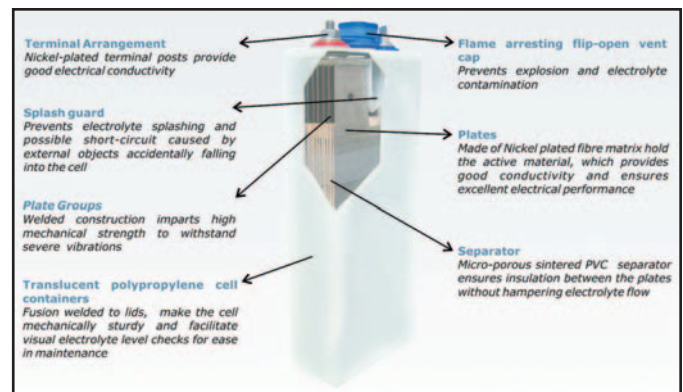
The Nickel Fibre matrix used for the fibre plate allows 90% of the electrode volume for holding the active material. The three dimensional fibre structure also provides good conductivity to ensure excellent electrical performance. In addition the Nickel Cadmium Fibre plate technology uses active material free from graphite and iron. Elimination of graphite ensures that the electrolyte does not get carbonated and the elimination of iron reduces water consumption.



Fibre plate batteries are manufactured in 4 series (L, M, H & X) based on their performance capabilities. They are also available in 1.2V single cells or 2.4V or 3.6V multi-cell blocks. SBS's Fibre Plate batteries are supplied with the electrolyte, intercell connectors, related hardware and accessories required for normal operation and maintenance.

Features:

- Excellent cycle life: 3000+
- Long float life: 20-25 years+
- Operating temp of: -22°F to 131°F (Storage: -22°F to 113°F)
- Low internal resistance
- High energy density
- Quick charge capability
- Low water consumption
- Very resistant to electrical and mechanical abuse
- No emission of corrosive gases
- Flame-arresting vent protection
- 20 year warranty including 1 year full



Fibre Plate Cell Series	Capacity Range (Ah)	Plates Information	Typical Back-Up	Typical Applications
Low Rate - KFL series	20 - 1500	Thick plates to provide a large capacity reserve for a long duration	3 hrs or more	Switchgear protection, Telecom, Power plants, Emergency lighting, Photovoltaic, Fire alarms
Medium Rate - KFM series	11 - 1391	Optimized plate thickness which is ideal for medium discharge performance and durations	60 min. to 3 hrs.	Switchgear protection, Telecom, Emergency lighting, Instrumentation and process control
High Rate - KFH series	11 - 1026	Thin plates to provide an excellent high rate discharge performance	Below 60 min.	UPS, Generator starting
X-tra High Rate - KFX series	11 - 120	Very thin plates to provide an ultra high rate discharge performance	Below 10 min.	Generator starting