

# SBS Valve Regulated Ni-Cad Batteries

Sealed Nickel Cadmium Cells 8AH - 744AH



VRPP (valve regulated pocket plate) batteries were designed to meet the needs of applications requiring the traditional high reliability of nickel cadmium pocket plate cells without the need to top-up with water. The VRPP battery works on the oxygen recombination principle and therefore has a much reduced water consumption. The level of recombination of these cells is 85-95%. Normal vented type cells will have only a 30-35% recombination efficiency. When the VRPP cells are properly float charged (between 1.41-1.43vpc) they will not need to be topped off with water for nearly 20 years. If the levels do become low during the life of the battery there are provisions to add water to the cells. The VRPP batteries are available in 1.2V single cells or 2.4V or 3.6V multi-cell blocks. SBS's VRPP batteries are supplied with the electrolyte, intercell connectors, related hardware and accessories required for normal operation and maintenance

### Features

- Long float life: 20-years without need to top-up
- High cycle life – 2000 cycles @ 20% DOD
- Reliable and predictable performance
- Operating temp of: -4°F to 131°F (Storage: -22°F to 113°F)
- Zero or low maintenance
- Minimal gassing
- Very resistant to electrical and mechanical abuse
- 20 year warranty including 1 year full

Battery Type	Capacity Range (Ah)	Typical Applications
VRPP	8 - 744 (57 models)	Switchgear protection, Telecom, UPS, Emergency lighting, Photovoltaic, Fire alarms, Railway signaling, Remote applications

