

# PowerSafe D Batteries

The PowerSafe D range of batteries, available in both DU and DSG models, are designed for telecommunications, utility and switchgear applications.

PowerSafe DU battery models are designed to handle the demanding float and deep discharges typical for telecommunication applications. They feature proven flat plate lead-calcium grid alloy and they're the largest amp hour capacity four cell battery in the industry, ranging from 310 to 780Ah. The DU series multi-cell construction shortens installation time and reduces the battery string footprint. In addition, PowerSafe DU batteries are designed with the edge of the plates oriented perpendicular to the rack rails for full plate edge visibility. The dual hole (top/bottom) terminal design allows for easy maintenance.

PowerSafe DSG battery models feature a lead-calcium design that reduces the maintenance (watering intervals) associated with lead-antimony batteries. This makes the DSG battery ideal for challenging utility switchgear applications. Its 0.25 inch positive grids are one of the thickest in the industry, making it an excellent long discharge battery and ideally suited for the complex duty cycle requirements of the switchgear application. The multi-cell construction helps to minimize floor space. PowerSafe DSG batteries also have individual posts for each cell to help ease and simplify the integration of battery monitoring and test equipment used in routine maintenance inspections.

All PowerSafe D batteries employ a proven Slide-Lock post seal that allows for natural plate growth over time without degrading the seal. The innovative tongue-and-groove jar-to-cover seal provides reliability with a robust airtight seal

## Specifications

- Capacity from 295 to 745 Ah
- 20 year life expectancy in float service at 77 degrees F
- Thick grids which provide excellent rate performance and long life
- Individual posts to monitor individual cell performance
- Electrolyte reserve reduces watering requirements
- Slide-Lock post seal design