



Industrial Batteries (UK) Limited

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ALCAD - Vantage Range : Key Features

Their outstanding features are :

- ✓ flooded, not starved electrolyte, cells maintain advantages of nickel-cadmium batteries in difficult environments
- ✓ controlled recombination rates eliminate risk of thermal runaway
- ✓ possibility of water replenishment under difficult environmental conditions to prevent dry-out
- ✓ proven pocket plate reliability with lifetime > 20 years and high resistance to failure
- ✓ good high and low temperature performance
- ✓ lifetime > 20 years and low life cycle cost
- ✓ meets the requirements of the IEC 60623 and 62259 Standards

The major design features of the Alcad Single Cell ranges are :

- ✓ fully welded internal construction of steel components
- ✓ strong welded polypropylene containers as standard
- ✓ special fibre separator to improve recombination and reduce water consumption
- ✓ flame arresting vents as standard
- ✓ protective cover in line with EN 50272-2 (safety) with IP2 level.



For a full commercial brochure for these products or for further details, please do not hesitate to contact us.

ALCAD - Vantage Cell Range : Advantages

With a 20-year life and ultra-low maintenance requirements, Vantage has become the cost-effective first choice – worldwide – for trouble-free standby power in the most demanding applications.

More reliable

Vantage can continue to supply power for 20 years or more thanks to its corrosion free construction and Alcad's tried and tested pocket-plate technology. No physical plate degradation and no sudden death with resulting costly downtime.

Low life-cycle cost

The cost of ownership of a battery system can be calculated across three distinct phases: the initial investment, including the cost of purchase and installation; ongoing maintenance costs, including unexpected and expensive downtime periods; finally, the battery replacement costs, which include the expense of disposal as well as renewal. Vantage is the most cost-effective solution for any application – onshore or offshore – where long battery life, low maintenance costs, resistance to corrosion and total reliability are prime operating requirements.

No water filling

No water filling is necessary during the Vantage 20-year service life because of the controlled recombination and the valve regulated venting system (topping-up is possible if required).

More durable

Vantage will survive treatment which would destroy lead acid batteries. This battery accepts ripple currents up to 0.2 C5A eff and can be over-discharged or reversed without damage. Prolonged abusive overcharge can easily be compensated by refurbishment with water.



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