



Industrial Batteries (UK) Limited

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ALCAD - Solar Range : Key Features

Their outstanding features are :

- ✓ Designed for photovoltaic applications
- ✓ Well proven pocket plate technology
- ✓ Low Maintenance using flooded, not starved electrolyte, cells maintain advantages of nickel-cadmium batteries in difficult environments
- ✓ Robust construction for long life and cycling ability
- ✓ lifetime > 20 years
- ✓ the efficient internal gas recombination technology meets the IEC 62259 Standard

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 - Solar Cell Range : Advantages

Battery systems have a difficult job maintaining reliable service in isolated locations and hostile environments. Demands upon them fluctuate widely and charging depends entirely on irregular and unpredictable weather patterns. For renewable energy applications in remote outdoor installations, Alcad Solar is the natural choice.

Long-term low maintenance

The low life-cycle cost Alcad Solar range battery is a reliable long-term investment. It is constructed to resist electrical and physical abuses and therefore requires very low maintenance. In return it will provide totally reliable service at a predictable cost over 20 years.

Efficient and reliable in tough conditions

Managing complex charging patterns is essential for efficient running of a hybrid system. Alcad Solar will continue to operate at any state of charge and are compatible with all current photovoltaic charge regulators and conventional industrial battery chargers.

Extreme operating temperature

Alcad Solar's robust construction and stable electrochemistry enable it to operate comfortably within a temperature range of -20°C to $+50^{\circ}\text{C}$ and tolerates extremes of -50°C to $+70^{\circ}\text{C}$.

Low life-cycle cost

Long maintenance intervals, Ni-Cd's inherent safety and total reliability combine to make Alcad Solar an exceptionally low life-cycle cost solution.



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