Electronics Enclosures Solutions for Alternative Energy Applications

Bud Industries, Inc. announced a complete suite of enclosure products for OEMs and operators of alternative energy equipment, including solar panels and wind turbines.

Bud offers a complete range of electronics enclosures including cabinet racks, NEMA boxes, server racks, and plastic boxes that meet the special requirements of alternative energy applications.

Bud's SNB Series enclosures are used to house the electronics that regulate the speed of the turning blades of wind turbines. Because these controls are critical to safety and efficient power generation, the enclosures selected are made of sturdy steel and sealed against moisture (NEMA 4X). Bud made custom cutouts to allow for cable entry and meter readout. For security, the enclosure has a key lock that requires a non-traditional key.

A company that makes solar panels installed across the Southwest also uses an SNB Series enclosure to house controls on its solar panel arrays. Since weight is a concern for roof-mounted solar panels, Bud custom-made the enclosures in a lighter gauge of steel. A different solar-panel OEM uses a Bud AN Series die-cast aluminum enclosure. It offers durability and weight reduction in a more cost effective material than steel.

An alternative power utility uses Bud relay racks outdoors to house controls for power transmission. These 19" racks are made of a non-standard, heavier gauge metal, and they were given a heavy-duty powder coat finish to protect them from weather. Another facility uses low-cost Bud aluminum chassis to house data collection instruments that monitor the DC to AC conversion for its solar conversion

systems.

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