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SPECIFICATION

SEC Ref: 031

SEC 2ETG - OPzV Tubular Plate Gel-VRLA Stationary Cells to DIN 40 742

General Description:

CELLYTE 2ETG – DIN OPzV Tubular plate cells have a design life of 15+ years, and are manufactured to ISO9001. The tank formed tubular positive and flat pasted negative plates are manufactured from calcium-tin lead alloys to ensure high mechanical strength, excellent cycle life (1200 x 80% cycles) in deep discharge applications, good corrosion resistance, low self-discharge during storage, and minimal water loss. The electrolyte is immobilised in a specially formulated thixotropic Gel which ensures highest reliability in all applications, and allows easy transport of the oxygen generated during recharge to the negative plate for optimum gas recombination efficiency. Microporous plastic separators are wrapped around the positive plates, protecting against short-circuit and enhancing resistance to cycling. The cell containers are made of high impact resistant ABS, and are available in a UL 94 V-0 flame-retardant material as an option. The container and lid are bonded together to prevent gas and/or electrolyte escaping and incorporate a reliable, proven, self-sealing pressure relief valve and optional **CatVent™** vent plug, to enhance the gas recombination, reduce cell dry-out, lower float current, minimise thermal runaway, positive plate corrosion and negative plate polarisation. Cells are supplied in a filled and 100% charged condition, and are ready for immediate use. The construction of the terminal pole seal meets the requirements of DIN 40729, and movement of the pole through the cell lid is allowed by purpose designed, acid resistant, O-ring seals. The 2ETG cells are connected together by fully insulated copper screw connectors, and mounted onto fully insulated, HDPE coated mild-steel rails supported by epoxy-coated cross members. All cells are clearly marked with the SEC 2ETG cell reference, nominal capacity (C/10 to 1.80 Vpc at 20 °C), environmental recycling information, post polarity, DIN reference number, and date of manufacture.

Accessories:

All equipment required for the correct and safe installation, and maintenance of each battery can also be provided, if specified, for example; digital meter, terminal grease, cell numbers spare cells, tools, battery warning signs, Warning 'No Smoking' signs etc.

Guarantee:

All cells are supplied with a full replacement, ex factory, **27 month warranty**, against faulty manufacturing material and or workmanship, when installed and operated in accordance with SEC's Installation and Operating instructions.

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