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SPECIFICATION

SEC Ref: 023

SEC *CELLYTE* 2TLGM Gel-VRLA Cells and Batteries

General Description:

SEC's *CELLYTE* 2TLGM Gel Valve Regulated Lead Acid (VRLA) cells and batteries have a design life of 15+ years when used in float service at 20°C., and comply with BS 6290 Part 4, with flame retardant V-0 case, EUROBAT with testing to new IEC 60896-21/22-2004 standard still in progress. The heavy duty tank formed flat pasted positive plates and flat pasted negative plates are manufactured from pure lead Calcium-Tin alloys, to ensure high mechanical strength, good corrosion resistance, low self-discharge, 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 oxygen generated during recharge to the negative plate for optimum gas recombination efficiency. Microporous plastic separators between the plates, protect against short-circuit and enhancing resistance to cycling. The cell containers and lids are made from high impact resistant ABS, and are also 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 well proven, self-sealing pressure relief valve and **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. The 2TLGM Gel cells/battery range can be installed in either the vertical or horizontal configuration, although for the larger capacity cells the horizontal configuration is recommended for maximum service life, saving in floor space and ease of installation. Cells can be used as free standing units, can be supplied in Modular Zone 4 rated racks or in Tubular Zone 0 racks where protection against earthquakes is not required. Cells are supplied in a filled 100% charged condition, and are ready for immediate use. All cells are clearly marked with the SEC battery reference, nominal capacity (C/10 to 1.80 Vpc at 20 °C), environmental recycling information, post polarity and date of manufacture.

Accessories:

All additional equipment required for the correct and safe installation, and maintenance of each battery can also be provided, for example; digital voltmeter, insulated spanners, cell numbers terminal grease, battery warning sign, Warning sign 'No smoking' etc.

Guarantee:

All cells are supplied with a full replacement, ex factory, **12 month warranty**, against faulty manufacturing materials and or workmanship, when installed and operated in accordance with SEC's Installation and Operating instructions.

August 2010