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## SPECIFICATION

SEC Ref: 017

### SEC **CELLYTE 2TLA** AGM-VRLA Cells and Batteries

#### General Description:

SEC's **CELLYTE 2TLA** AGM 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 calcium-tin lead alloys, to ensure high mechanical strength, good corrosion resistance, low self-discharge during storage, and minimal water loss. Absorptive Glass Mat (AGM) separators, with very low electrical resistance, are used to immobilise the electrolyte, and allow easy transport of the oxygen generated during recharge to the negative plate for optimum gas recombination efficiency. The AGM separators are double wrapped around the plates, under high compression to hold the active materials firmly in place, thus reducing shedding, protecting against short-circuit and enhancing resistance to cycling. The cell containers and lids are made from high impact resistant ABS, and are available in a 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 **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 100% charged condition, and are ready for immediate use. All cells are clearly marked with 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, **(15) month warranty**, against faulty manufacturing materials and or workmanship, when installed and operated in accordance with SEC's Installation and Operating instructions.

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