



深圳理士奥电源技术有限公司

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13th Jun 2018

To whom it may concern:

RE: Leoch industrial Power stationary VRLA Battery life classification under EUROBAT

The 'EUROBAT' Guide for The Specification of Valve Regulated Lead-Acid Stationary Cells and Batteries' is a battery buyers guide produced and published by a predominantly European trade association of battery manufacturers – 'The Association of European Accumulator Manufacturers.' The publication does not represent any national standards for battery specification and should not be confused with such standards. Part of the guide is based around an IEC specification, IEC60896-2.

EUROBAT guide defines life expectancy calculated at 20°C operation above this temperature for prolonged periods will have an effect on battery life.

3 - 5 Years Standard Commercial	This group of batteries is at the consumer end of standby applications and are popular in small emergency equipment.
6 - 9 Years General Purpose	This group of batteries is usually used when an improved life is required in comparison to the Standard Commercial product, and also in cases where operational conditions are more severe.
10/12 Years Long Life	This group of batteries is used where high power, long life and high reliability are required.
> 12 Years Very Long Life	This group of batteries is used in applications where longest life and highest reliability are required.

If we consider the design life indicated in the EUROBAT objectives, we would place the above referenced battery type as having comparable design definition according to EUROBAT.

LP \leq 7Ah LP \geq 7,2Ah	3 - 5 Years - Standard Commercial 6 - 9 Years - General Purpose
LPC \leq 33Ah LPC \geq 38Ah	6 - 9 Years - General Purpose 10 - 12 Years - Long life
LPX \leq 7Ah LPX \geq 7,6 Ah	3 - 5 Years - Standard Commercial 6 - 9 Years - General Purpose
LPL \leq 33Ah LPL \geq 38Ah	10 - 12 Years - Long life +12 Years - Very Long Life
LPF	+12 Years - Very Long Life
XP	10 - 12 Years - Long life
LPCG	6 - 9 Years - General Purpose
LPG	10 - 12 Years - Long life

Yours sincerely



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