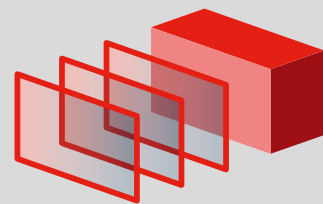# FHB

FIAMM

High-rate & high temperature AGM battery

HIGH TEMP ERATURE BATTERIES

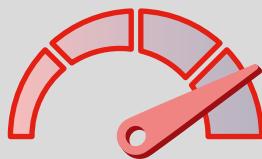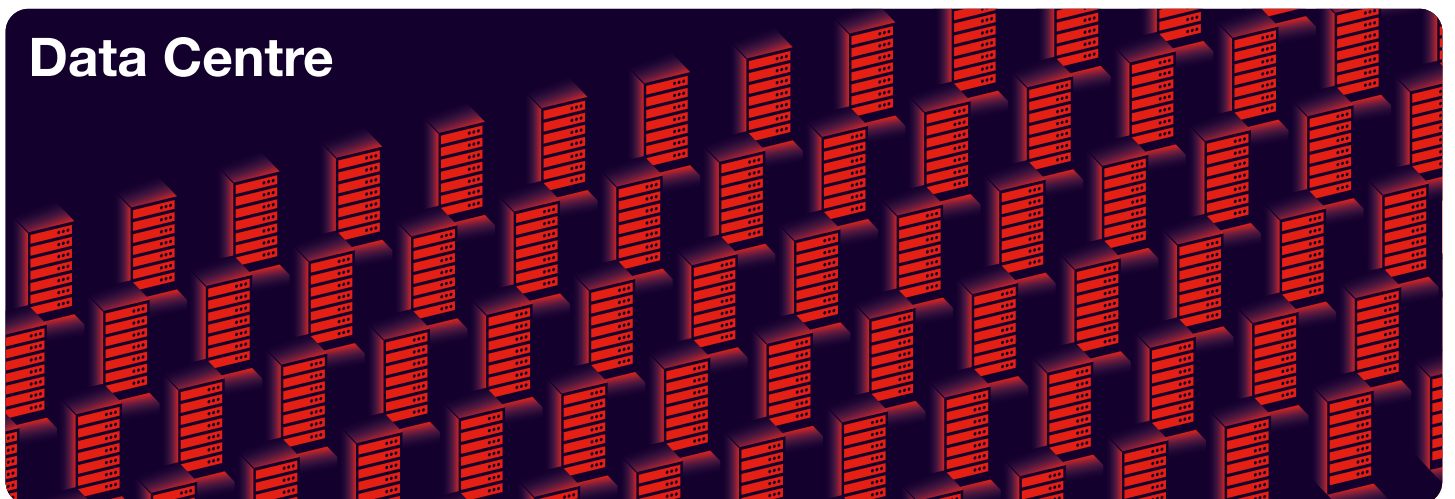**99% RECY** CLABLE

AGM technology

High-rate performance

Flame retardant casing

Data Centre

FHB

Designed for high-rate applications and operating conditions up to 30°C and available with top and front terminal design.

The FHB is an innovative battery, designed to deliver the highest levels of performance while operating for a full 10 years at 30°C. These batteries are made using our superior grid alloy technology. This special high-temperature design allows Data Center operators the possibility to raise set point temperatures thus saving on expensive air-conditioning and cooling energy.

Flame retardant high tensile ABS plastic is according UL94 V0 (LOI greater than 28%) to guarantee the safeties protection and superior thermal stability to avoid case bulging compared to standard batteries.

A high-quality microporous separator is used to control recombination current and avoid thermal runaway. FHB batteries carry very high energy density in a compact design and it helps to reduce costly installation space, moreover, they can be installed in cabinets and racks.

The FHB range is based on AGM VRLA technology and it is 99% recyclable at the end of life. The battery is fully maintenance-free and requires no routine topping-up of the electrolyte. The range carries a non-hazardous designation and can be transported by road, rail or air. The design has been optimized to lower self-discharge during storage.

Battery type	Nominal voltage (V)	Nominal power (W/cell) 15MIN 1.67VPC 25°C	Nominal capacity (Ah) 20H 1.75VPC 25°C	Nominal dimension (mm)			Typical weight (kg)
				Length	Width	Height	
12FHB350	12	374	95	302	174	217	30
12FHB400	12	415	105	341	174	217	34
12FHB450	12	477	120	379	174	217	38
12FHB700	12	710	210	558	126	321	61

Standards

IEC 60896 Part 21 - VRLA methods of testing
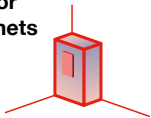IEC 60896 Part 22 - VRLA requirements
BS6334 / UL 94 V0 materials flammability
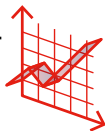Eurobat ">12 years VERY LONG LIFE"
UL recognized

Solutions & accessories

Indoor cabinets

Smart Logger

RSV

Protection boxes

Racks

Battery sizing tool

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Company subject to the management and coordination of Showa Denko Materials Co., Ltd.   Rev. 02.2022

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