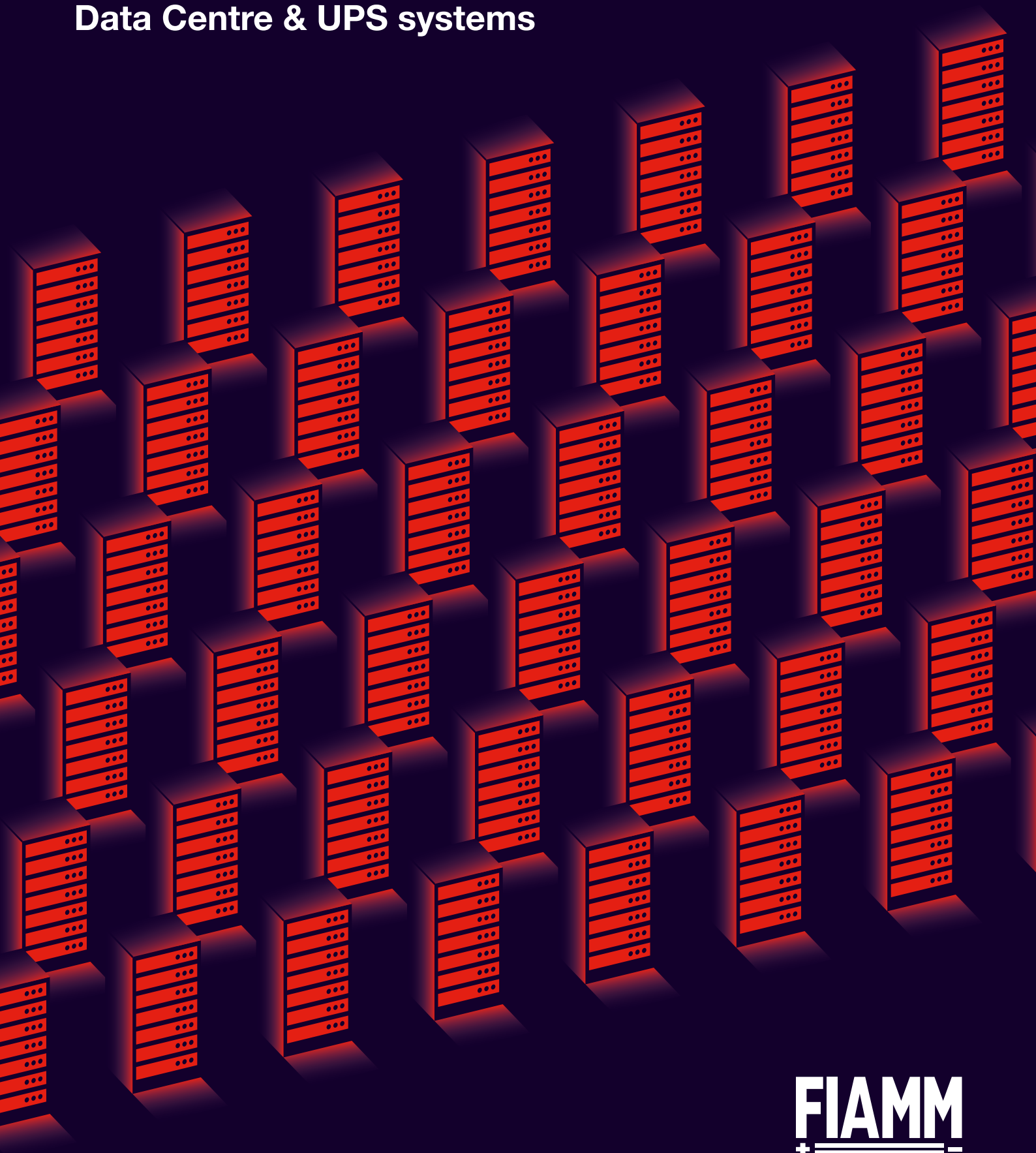


# Protecting precious data

Data Centre & UPS systems



**FIAMM**  
+ -



Headquarters

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# FIAMM

## since

# 1942

FIAMM Energy Technology has been making batteries since 1942. We were established as a private company which set out to supply a national need for batteries to power vehicles. Since then, we have grown to be and become recognised international business engaged in the development, production and distribution of batteries and accumulators for industrial and mobile applications.

FIAMM Reserve Power Solutions offers a broad range of stationary batteries, designed to guarantee uninterrupted power supply in a myriad of fields.

As our business has expanded, so has our technical knowledge and understanding of how products can benefit customers' different needs. The result is a family of products and solutions to fit many different applications. We are now proud to supply many of the world's leading companies for telecommunications, data centers, railways, power plants, petrochemical plants and energy storage from renewable sources.

Batteries and energy storage solutions are a key enabler towards the global transition from fossil fuels to a cleaner and renewable energy. Our mission is to work with our partners and customers for the continued development of next generation solutions to meet the vital energy requirements for the future of our world.



# Back-up power for Data Centres and UPS systems

The role of batteries for data security has never been more important. Data and digitised information stored in computing systems drives our world.

All data relies on electrical energy to exist. Without this energy, systems cannot receive, transmit or store their vital information. The loss of energy to support these networks, even for a millisecond, can be catastrophic.

FIAMM provides a critical link to back-up computer and other systems from laptops, desktops, company servers and remote data centres. We do it with the battery products we have been making for more than 70 years. For all of these user groups, choosing the right battery solution involves many factors - our job is to help you make that right choice.



We are a recognised international leader in developing, producing and supplying batteries and energy solutions for special industrial applications and markets. Our company is acknowledged across the world as expert in its field, known for experience in defining the right product solutions that supports the digital revolution.

As proof of our work, we have a renowned list of customers that includes major global names. Their choice of FIAMM is a testament to the quality of products and services we provide.

At FIAMM, business starts and ends with the customer. We believe every application is unique. As a company our objective is to provide the best customised solution.

Our mission is to maintain the critical energy to ensure data and systems operate at all times.



# FIAMM data centre battery solutions



# High energy in a compact design

Improved technology of inside components like advanced alloys and manufacturing processes allow the highest performances in a very compact design.

# Safety first

Flame retardant, high quality ABS plastic casings ensure maximum safety.

# Maintenance free

Our maintenance free products are easy, quick to install and reduce overall operating costs during life.

# Designed for life

All our products are designed and tested to ensure the best performance for the whole life.





## AGM technology

AGM (Absorbed Glass Mat) batteries offer improved performance with faster charging, longer life and safer operation. These batteries are constructed with an absorbent glass-mat separator between the negative and positive plates. Special safety valves are fitted to minimise electrolyte dry-out over the life of the battery.

## LONG DESIGN LIFE

FIAMM batteries, with a long life classification, are designed for years of operation in accordance with the Eurobat Guide.



## High-rate performance

Our high-rate batteries are designed to perform maximum levels of energy during short and demanding discharge phases. Because these batteries contain more energy they can save valuable installation space.

## 99% RECY CLABLE

FIAMM lead acid batteries are 99% recyclable. Our products are perfect for the circular economy. Lead recovered from our used batteries can be reprocessed repeatedly without any loss on performance.



## Flame retardant casing

Most FIAMM batteries are made with flame retardant plastic to provide an extra level of safety and customer assurance. This material offers maximum strength over life. See our product data sheet for more details concerning each range.

## HIGH TEMP ERATURE BATTERIES

These batteries are designed to perform in higher operating conditions with excellent life characteristics. In indoor applications such as data centres and general battery rooms, operators, when using these batteries, can increase room temperatures and save on costly air-conditioning and other cooling expenses.



# FGH

**High-Rate performance battery**

5 years design life small industrial lead acid range with AGM technology.



# FGHL

**Long life high-rate performance battery**

Long life, flame retardant small industrial lead acid range AGM technology with a fast on terminal design for easy installation.



# FLB

**Unsurpassed high-rate Performance AGM battery**

10/12 years design life enclosed in a rugged flame retardant ABS case and available with top and front terminal designs.

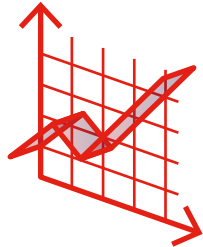


# FHB

**High-rate & high temperature AGM battery**

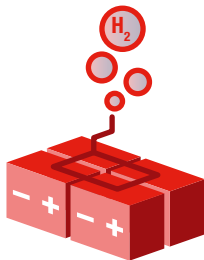
Designed for high-rate applications and operating conditions up to 30°C. Available with top and front terminal design.

# Solutions & accessories



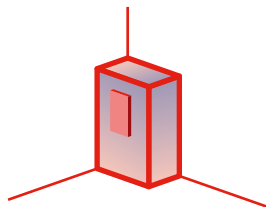
## SmartLogger

The FIAMM SmartLogger monitors battery health, including temperature and voltage. It allows customers to retrieve operating condition at any time. The SmartLogger helps to ensure correct operating parameters and optimum life for your product.



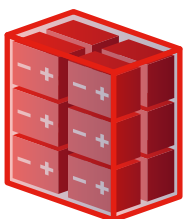
## RVS

The Remote Venting System (RVS) is a specially designed pipe system that exhausts hydrogen gases given off during the charging phase. The RVS system allows gases to be passed safely outside of the battery room. This solution can reduce the need for internal venting and lower energy consumption.



## Indoor cabinets

Batteries often need to be enclosed inside buildings and other structures. We offer a range of solutions to keep your batteries safe and help optimise costly real estate space. Our solutions cover many needs including seismic protection.



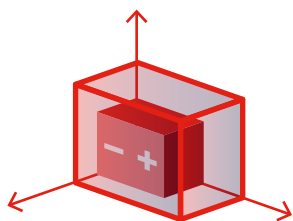
## Racks

We make a range of special rack solutions which are corrosion-proof and can be easily assembled and dismantled. A certified seismic version is available upon request.



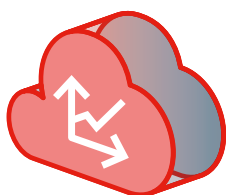
## Protection boxes

An electrical protection solution including fuses and breakers, designed in accordance with application voltages and currents to protect your battery system.



## Battery sizing software

The FIAMM sizing software tool allows customers to select the most appropriate battery solution for their application. Using our purpose-designed software a customer can insert key parameters including electrical performance, temperature, operating life, layout and then choose from a number of variable solutions.



## BACS®

BACS® is a special Battery Monitoring System that measures multiple battery block parameters and allows remote control and predictive maintenance. Its active equalizing function ensures optimal charging voltage.

# FIAMM

