

# FHC

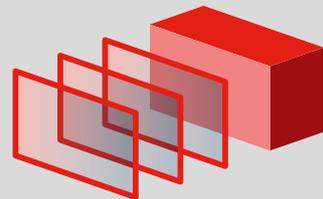
# FIAMM

**Cyclic maintenance-free  
AGM battery**

**HIGH  
CYCLIC  
BATTERIES**



**AGM  
technology**

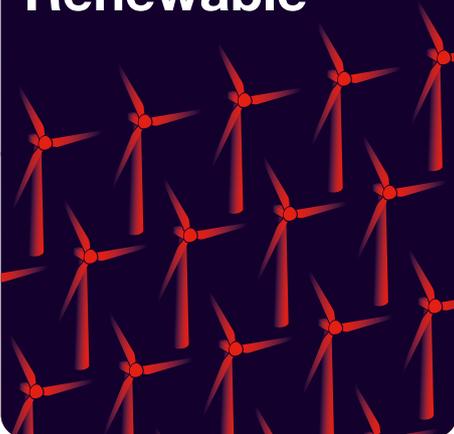


**99%  
RECY  
CLABLE**

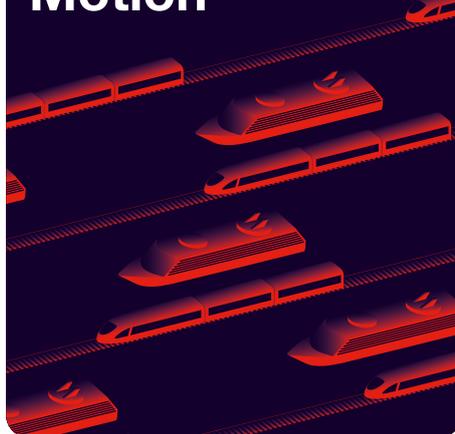
**Flame  
retardant  
casing**



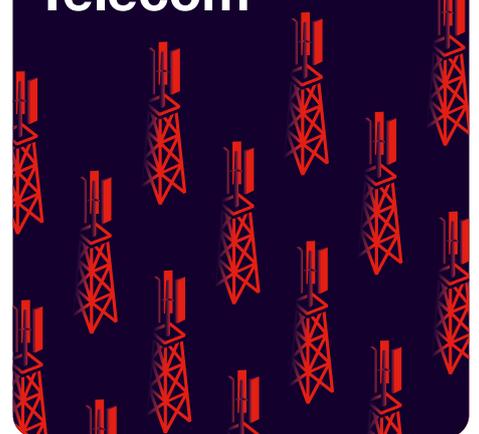
**Renewable**



**Motion**



**Telecom**



# FHC

## A front terminal block designed for high cyclic and PSOC applications

FIAMM has developed the FHC family which is designed using our superior grid alloy technology to withstand applications where there is a need to frequently charge and discharge the battery. Standard batteries that are subjected to heavy cyclic duty can be damaged by these demands. The carbon and expanders additives on negative plate allows Partial State Of Charge (PSOC) operation.

The FHC range is designed with a front terminal layout set-up, and can be installed in standard 19" and 23" racks and cabinets. This design allows easy access during the routine visual inspections. Internally,

high-quality microporous separators are used to control recombination currents and avoid thermal runaway. The exterior construction used a flame retardant ABS-PC plastic compliant to UL94 V0 (LOI greater than 28%) – this guarantees a high level of safety and superior thermal stability to avoid case bulging.

The FHC range is based on proven VRLA technology and is 99% recyclable at the end of its life. The battery is 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.

| Battery type | Nominal voltage (V) | Nominal capacity (Ah)<br>10H 1.80VPC 20°C | Nominal dimension (mm) |       |        | Typical weight (kg) |
|--------------|---------------------|---|------------------------|-------|--------|---------------------|
|              |                     |   | Length                 | Width | Height |                     |
| 12FHC95      | 12                  | 95  | 108                    | 395   | 275    | 34                  |
| 12FHC145     | 12                  | 145                                       | 110                    | 531   | 316    | 50                  |
| 12FHC175     | 12                  | 175                                       | 126                    | 558   | 321    | 59                  |

### 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

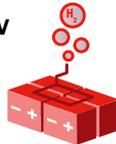
GPS



Smart  
Logger



RSV



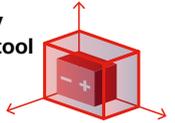
Protection  
boxes



Racks



Battery  
sizing tool



Outdoor  
cabinets



Indoor  
cabinets

