FGL Battery Range
THE FGL RANGE IS DESIGNED TO SATISFY A WIDE RANGE OF APPLICATIONS REQUIRING HIGH LEVEL OF SECURITY AND RELIABILITY.

FGL BATTERIES OFFER GOOD PERFORMANCE WITH ANY DISCHARGE PROFILE. FGL BLOCS CAN BE INSTALLED IN CABINETS OR RACKS. FGL USES PROVEN VRLA TECHNOLOGY WITH 99% INTERNAL RECOMBINATION EFFICIENCY, IS NON-SPILLABLE AND MAINTENANCE FREE THEREFORE REQUIRES NO TOPPING UP OF ELECTROLYTE DURING ITS FLOAT- LIFE. FGL RANGE IS NON-HAZARDOUS FOR AIR/SEA/RAIL/ROAD TRANSPORTATION AND IS 100% RECYCLABLE. FGL HAS A SELF-DISCHARGE RATE LESS THAN 2% PER MONTH, GUARANTEEING LONG SHELF-LIFE.

SPECIFICATIONS

- High purity lead calcium tin grid plates, designed to resist corrosion and provide short recharge time
- VRLA AGM technology using low resistance high microporous fiberglass separators
- Leak resistant post seal, threaded female M5/M6/M8 terminals with high conductivity and maximum torque resistance
- One-way safety relief valves allow gas to escape and prevent the ingress of oxygen.
- Flame arrestors prevent sparks or flames entering the battery
- ABS plastics designed for superior mechanical strength
- Heat sealed box to lid weld for superior integrity
- Installation in any orientation (excluding permanently inverted)

MAIN APPLICATIONS:

- Security Systems and Emergency Lighting
- Renewable Energy
- Light Traction
- Leisure
TECHNOLOGY

FIAMM FGL RANGE USE AGM (ABSORBED GLASS MAT) TECHNOLOGY. THE ELECTROLYTE IS ABSORBED IN FIBERGLASS SEPARATORS WITH 99% INTERNAL GAS RECOMBINATION EFFICIENCY. BLOCS ARE GRANTS NON-SPILLABLE AND MAINTENANCE FREE THEREFORE REQUIRES NO TOPPING UP OF ELECTROLYTE DURING ITS WHOLE LIFE. LOW SELF-DISCHARGE ALLOWS 6 MONTHS SHELF LIFE.

ELECTRICAL CHARACTERISTICS
Float Voltage: 2.26 V/cell at 25°C
Boost Voltage: 2.35 V/cell
Float Voltage Compensation with Temperature: -2.5 mV/cell/°C
Self-Discharge at 25°C: <2%/month

STANDARDS
IEC 60896 Part 21 - VRLA methods of testing
IEC 60896 Part 22 - VRLA requirements
Eurobat “10-12 years LONG LIFE”
UL Recognized

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<th>BATTERY TYPE</th>
<th>NOMINAL VOLTAGE (V)</th>
<th>CAPACITY (Ah)</th>
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<th>TYPICAL WEIGHT (kg)</th>
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*Tot. Height = total height including terminals
CERTIFICATIONS

ISO 9001
Quality Management System

ISO 14001
Environmental Management System

OHSAS 18001
Workplace Safety & Health

DISCHARGE CURVES at different current / final voltage (at 25°C)

The above discharge curves are typical. For more detailed information please see the specific product sheets.

TYPICAL CHARGE CURVES

Battery Voltage and Charge Time for Standby Use (at 25°C)

STORAGE

Capacity loss during storage at various temperatures

The battery can be used without refreshing charge

Refreshing charge of 2.4 Vpc for 24 hours (at 20-25°C) must be applied as soon as possible.

Refreshing charge of 2.4 Vpc may be insufficient to recover the battery capacity. It is important to avoid this area.

FIAMM S.p.A.
Viale Europa, 75 - 36075 Montecchio Maggiore (VI) - ITALY
TEL +39 0444 709311 - Fax +39 0444 694178

e-mail: info.standby@fiamm.com
www.fiamm.com

fiamm.batteries
fiammbatteries
youtube.com/user/FIAMMvideo