

## Applications and Key Benefits

- + Designed to achieve optimal performance and to protect critical equipment and processes from power disturbances. Ideal for:
  - Electric utility & switchgear
  - Recreational products
  - Medical equipment
  - Small traction applications
  - Renewable energy storage
- + 12V monobloc design
- + Designed for standard and long discharge applications
- + Optimized for deep discharge recovery and high cycling performance
- + 5 year design life in float applications with temperature controlled environments
- + VRLA AGM technology with a 99% recombination efficiency assuring long life
- + Non-spillable with no water additions necessary
- + <2% self-discharge per month, at 77°F allows for up to 6 months of shelf life before boosting
- + Non-hazardous designation for air/sea/rail/road transportation
- + 100% recyclable

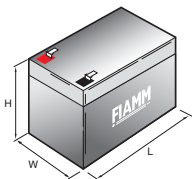


Model	Nominal voltage (V)	Capacity (Ah)	Weight (lb)	Dimensions (in)				Internal Resistance
		Discharge 20 h rate 1.75V/cell		L	W	H	TH*	
FGC21202	12	12	9.37	5.94	3.86	3.74	3.94	14.8 mΩ
FGC21803**	12	18	12.90	7.13	2.99	6.53	6.53	9.8 mΩ
FGC22703**	12	27	18.74	6.54	6.89	4.92	4.92	8.0 mΩ
FGC23505	12	35	28.00	7.72	5.20	6.65	6.65	6.5 mΩ
FGC24205**	12	42	30.86	7.68	6.50	6.50	6.69	4.6 mΩ

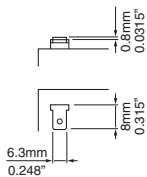
\*TH = total height including terminals  
 \*\*These models are currently in grey colour

## Terminal Type

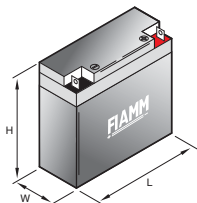
FGC 21202



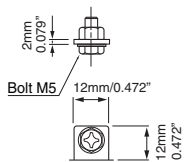
■ Faston 6.3



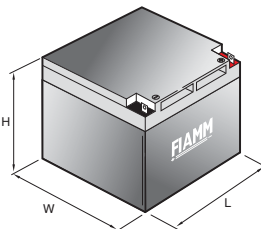
FGC 21803



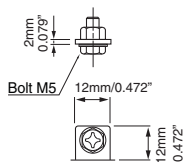
■ Flag Ø5.5



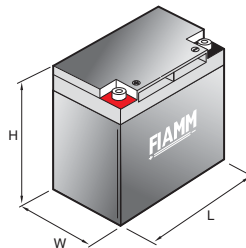
FGC 22703



■ Flag Ø5.5



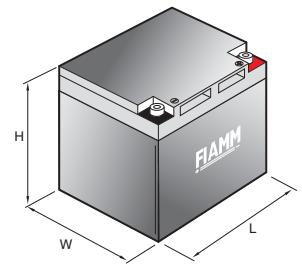
FGC 23505



■ Round M5



FGC 24205

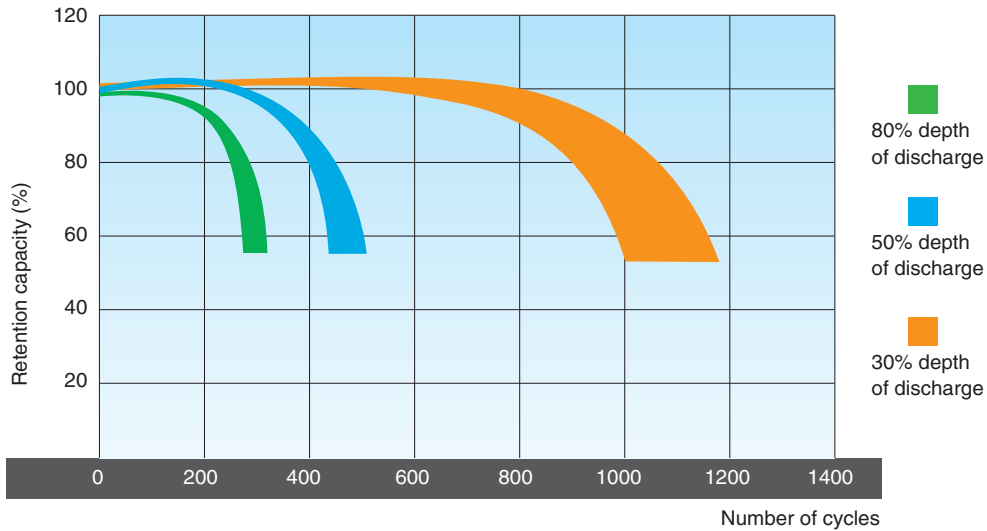


■ Round M5





## Lifetime in cyclic use



## Technical Features

- **Grids:** gravity casted grids with high purity lead calcium tin alloy
- **Separators:** electrolyte fully absorbed in glass mat "AGM" separators with extremely high micro porosity
- **Terminal posts:** faston, flag or female terminals depending on the model
- **Post seals:** high integrity post seal design prevents acid leakage over a wide temperature range
- **One-way safety valves** allow excess gas to escape when overcharging
- **Container and cover:** made of thick walled ABS plastics, designed for unsurpassed mechanical strength
- **Shelf life:** < 2% self-discharge per month at 77°F allows 6 months shelf life

## Electrical Characteristics

### Recharge methods:

- standby use: 13.50 - 13.80 V/bloc
- cyclic use: 14.40 - 15.00 V/bloc
- initial charge current: 0.20 - 0.25 C<sub>20</sub>

### Operating temperature ranges:

- recharge: 32° to 104°F
- discharge: -4° to 122°F
- storage: -4° to 122°F

## Applicable Standards

- IEC 60896 Part 21 - VRLA methods of testing
- IEC 60896 Part 22 - VRLA requirements
- UL Recognized

## FIAMM Manufacturing

- ISO 9001 Quality Management System
- ISO 14001 Environmental Management System
- OHSAS 18001 - Workplace Safety & Health