

# FIAMM

Industrial Batteries

# FG series

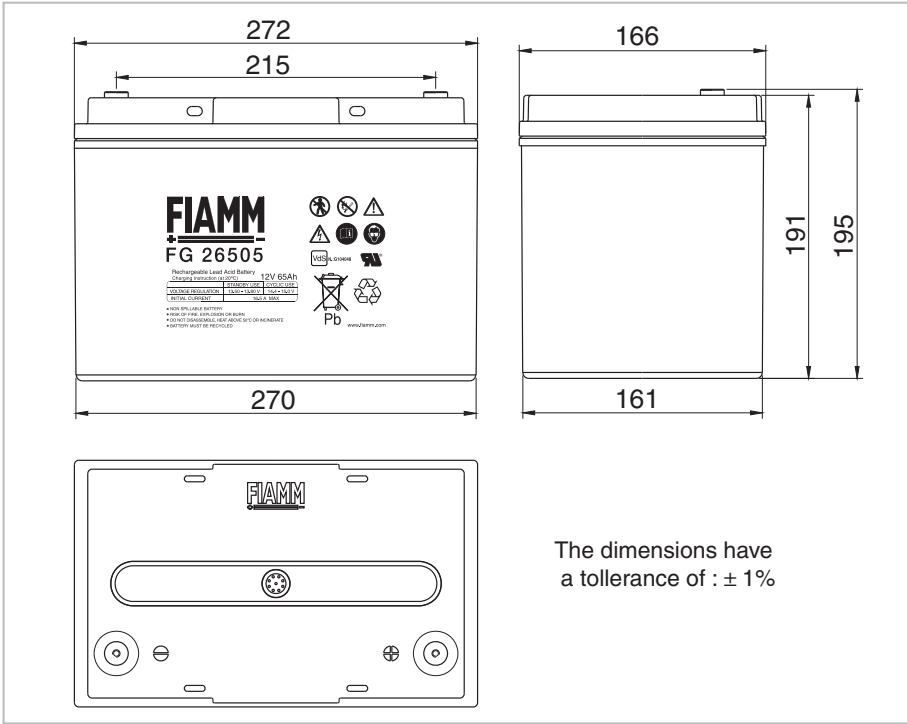


## FG26505

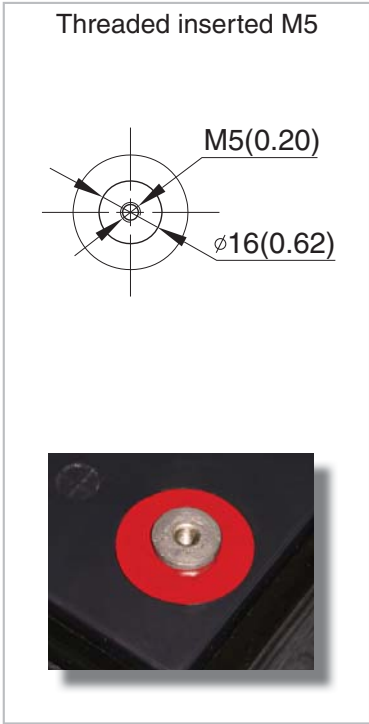
### 12 Volt 65 Ah

FG26505 is a general purpose application battery. Within the FG range FIAMM offer 6V and 12V monoblocs at various amp hour capacities enable the right battery selection for each requirement. FIAMM is a Manufacturer of VRLA batteries and is supported by a dedicated sales network with market knowledge and experience of small sealed lead acid battery applications.

| Features                    |   |
|-----------------------------|---|
| Nominal Voltage             | 12 Volt   |
| Nominal Capacity            | 65 Ah 20 hours rate to 1.75 Vpc at 25 °C  |
| Float charging voltage      | 13.50 - 13.80 V/bloc at 25 °C   |
| Boost charge voltage        | 14.40 - 15.00 V/bloc at 25 °C   |
| Float voltage compensation  | -18mV/°C  |
| Maximum charging current    | 16.25 A   |
| Case                        | ABS with HB flammability rate (according UL 94)   |
| Internal resistance         | 3.5 mΩ in full charged condition  |
| Weight                      | 23.2 kg   |
| Dimensions                  | L x W x H (TH): 271 x 166 x 190 (190)   |
| Operative temperature range | -20 °C to 50 °C   |
| Shelf life procedures       | As batteries lose part of their capacity, during storage, due to self discharge. FIAMM recommends FG range of batteries can be stored for 6 months at an ambient temperature of 20 and 25 °C (see attached graph on reverse). Longer storage requires a recharge. This should be carried out in line with FIAMM recommended method; 2.4 V/cell for no longer than 24 hours at 20 °C |



The dimensions have a tolerance of : ± 1%



SSLA Products

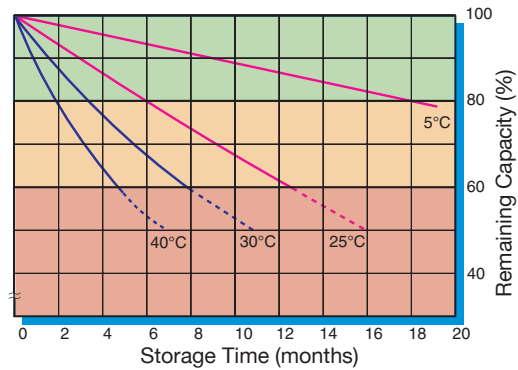
## FG26505 12 Volt 65 Ah

Capacity loss during storage at various temperatures

The battery can be used without refreshing charge

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

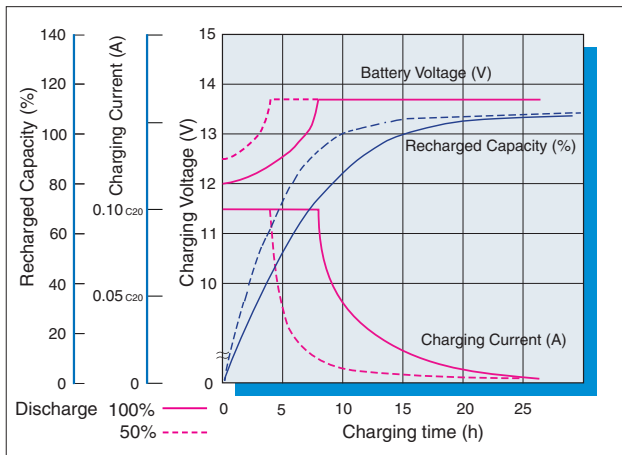
Refreshing charge of 2.4 Vpc may be insufficient to recover the battery capacity. It is important to avoid this area



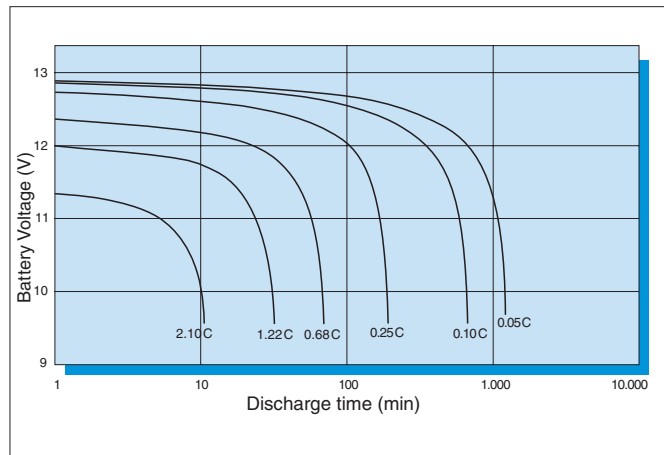
VdS N.:G104048



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



Discharge curves at different current / final voltage (at 25°C)



Costant Current discharge table (Amperes)

| End voltage | 5 min | 10 min | 15 min | 20 min | 30 min | 45 min | 1 hour | 2 hrs | 3 hrs | 5 hrs | 10 hrs | 20 hrs |
|-------------|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|--------|--------|
| 9.60 V      | 219   | 158    | 120    | 97.2   | 71.6   | 52.0   | 40.9   | 23.0  | 16.6  | 11.0  | 6.07   | 3.36   |
| 9.90 V      | 208   | 152    | 117    | 95.2   | 70.6   | 51.5   | 40.5   | 22.8  | 16.4  | 10.9  | 6.03   | 3.32   |
| 10.02 V     | 201   | 148    | 115    | 93.9   | 69.9   | 51.1   | 40.2   | 22.6  | 16.3  | 10.8  | 5.99   | 3.30   |
| 10.20 V     | 195   | 145    | 114    | 92.7   | 69.3   | 50.7   | 40.0   | 22.4  | 16.1  | 10.7  | 5.95   | 3.28   |
| 10.50 V     | 182   | 138    | 109    | 90.1   | 67.8   | 49.5   | 39.4   | 22.0  | 15.9  | 10.5  | 5.82   | 3.25   |
| 10.80 V     | 165   | 129    | 103    | 85.8   | 64.9   | 47.7   | 38.2   | 21.5  | 15.4  | 10.1  | 5.68   | 3.20   |

Costant Power discharge table (Watts per bloc)

| End voltage | 5 min | 10 min | 15 min | 20 min | 30 min | 45 min | 1 hour | 2 hrs | 3 hrs | 5 hrs | 10 hrs | 20 hrs |
|-------------|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|--------|--------|
| 9.60 V      | 2190  | 1616   | 1254   | 1036   | 782    | 578    | 460    | 263   | 190   | 127   | 70.5   | 39.1   |
| 9.90 V      | 2089  | 1568   | 1228   | 1021   | 773    | 575    | 457    | 261   | 189   | 126   | 70.2   | 38.8   |
| 10.02 V     | 2025  | 1533   | 1216   | 1010   | 767    | 571    | 454    | 259   | 188   | 125   | 69.9   | 38.7   |
| 10.20 V     | 1961  | 1499   | 1203   | 998    | 761    | 567    | 452    | 257   | 187   | 124   | 69.6   | 38.6   |
| 10.50 V     | 1833  | 1434   | 1159   | 974    | 748    | 556    | 447    | 254   | 185   | 123   | 68.6   | 38.5   |
| 10.80 V     | 1671  | 1342   | 1104   | 933    | 721    | 539    | 436    | 249   | 181   | 119   | 67.1   | 38.1   |