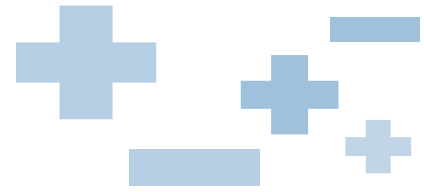


FIAMM

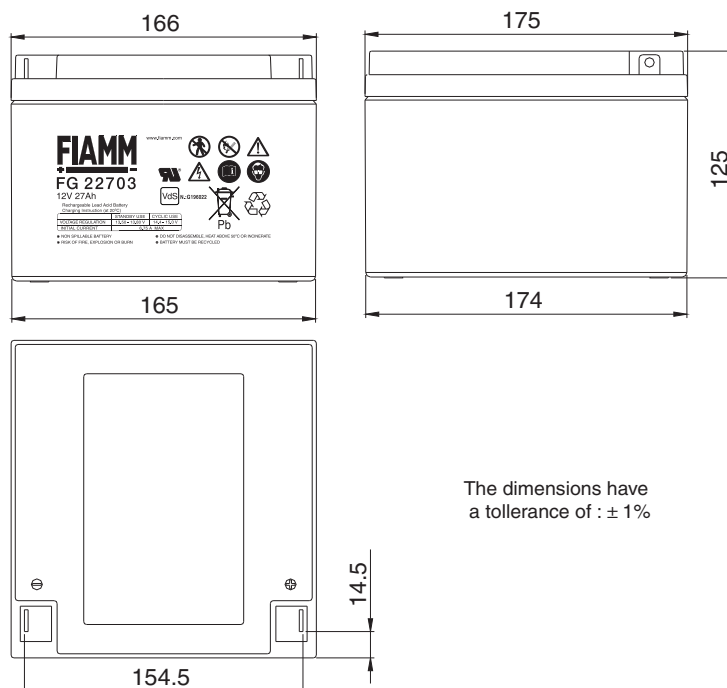
Industrial Batteries

FG
series**FG22703****12 Volt**
27 Ah

FG22703 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.

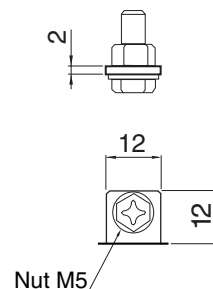
Features

Nominal Voltage	12 Volt
Nominal Capacity	27 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	6.75 A
Case	ABS with HB flammability rate (according UL 94)
Internal resistance	8.0 mΩ in full charged condition
Weight	8.50 kg
Dimensions	L x W x H (TH): 166 x 175 x 125 (125)
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 : $\pm 1\%$

Flag Ø 5.5 mm
(Bolt and Nut M5)



SSLA Products

FG22703

12 Volt 27 Ah

Capacity loss
during storage
at various
temperatures



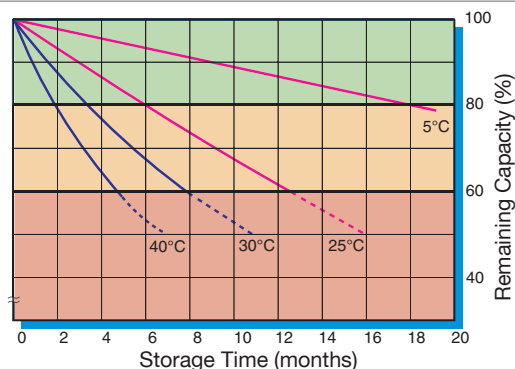
VdS N.:G196022

MH27960

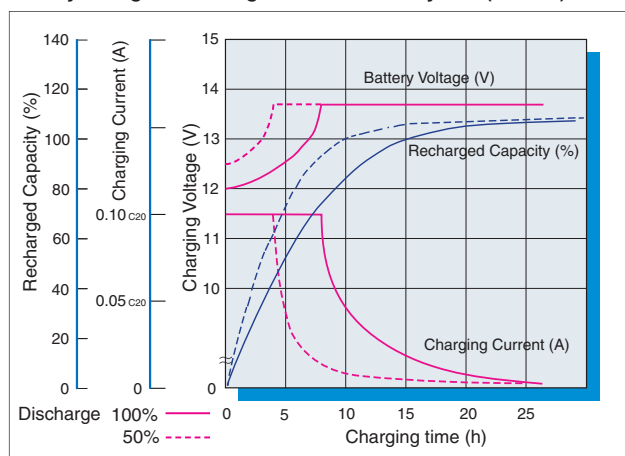
The battery can be used
without refreshing charge

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

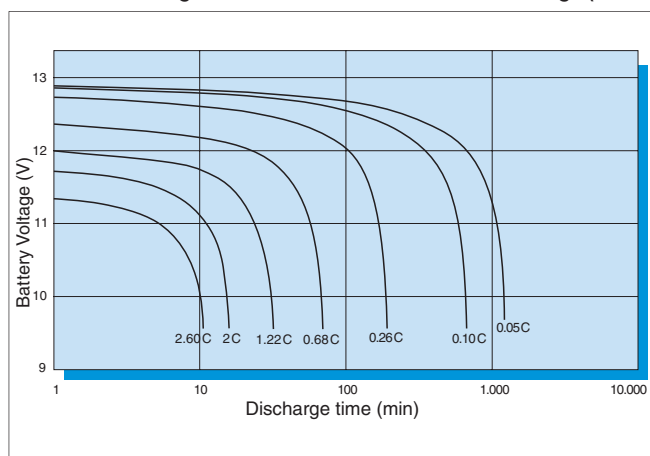
Refreshing charge of 2.4
Vpc may be insufficient to
recover the battery capacity.
It is important to avoid
this area



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 hour	3 hour	5 hour	10 hour	20 hour
9.60 V	87.8	62.5	48.8	40.2	29.0	21.3	17.7	9.74	6.96	4.57	2.54	1.40
9.90 V	84.5	60.6	47.7	39.4	28.7	21.1	17.6	9.68	6.93	4.54	2.53	1.39
10.02 V	82.4	59.9	47.2	39.1	28.5	21.0	17.4	9.62	6.86	4.50	2.51	1.39
10.20 V	79.8	58.3	46.7	38.8	28.3	20.9	17.1	9.56	6.81	4.48	2.50	1.38
10.50 V	76.0	56.9	45.5	37.9	27.9	20.6	16.8	9.38	6.73	4.4	2.46	1.36
10.80 V	69.9	53.4	43.0	36.1	26.7	19.9	16.2	9.10	6.55	4.31	2.38	1.32

Costant Power discharge table (Watts per bloc)

End voltage	5 min	10 min	15 min	20 min	30 min	45 min	1 hour	2 hour	3 hour	5 hour	10 hour	20 hour
9.60 V	877	640	511	428	317	237	199	111	79.9	52.8	29.5	16.3
9.90 V	848	626	503	423	314	235	199	111	79.9	52.7	29.4	16.3
10.02 V	829	619	498	420	312	234	197	110	79.2	52.4	29.4	16.3
10.20 V	803	605	494	417	311	234	194	110	78.8	52.3	29.3	16.2
10.50 V	767	592	484	410	308	232	191	108	78.3	51.6	29.0	16.1
10.80 V	709	557	460	393	296	225	185	105	76.6	50.7	28.1	15.8