FIAMM

Industrial Batteries

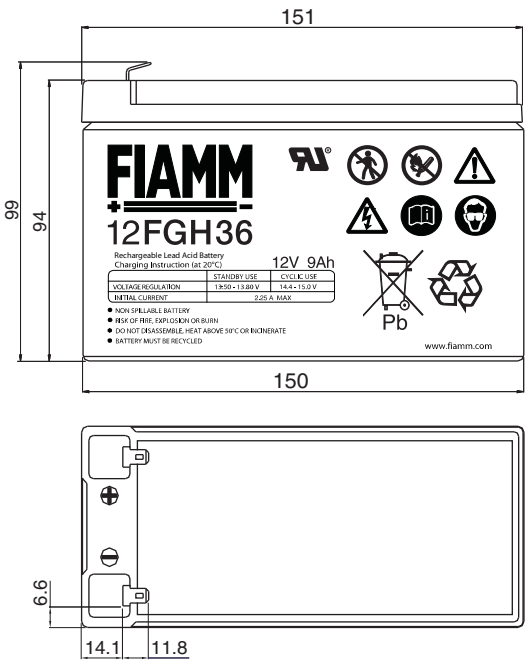
FGH series

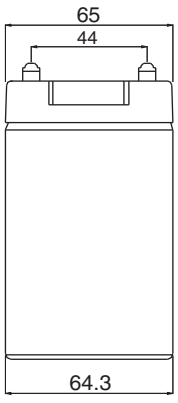
12FGH36

12 Volt
9 Ah

Fiamm 12FGH36, is an high rate battery specifically designed for UPS applications. Fiamm FGH range of batteries ensure the correct battery is supplied to the appropriate application. 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.

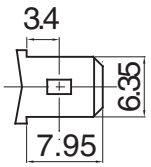
Features	
Nominal Voltage	12 Volt
Nominal Capacity	36.2 W @ 15 min-rate to 1.6 Vpc at 25 °C 9.0 Ah 20 hours rate to 1.75 Vpc at 25 °C
Float charging voltage	13.50 - 13.80 V/bloc at 25 °C
Boost charge voltage	14.40 - 15.00 V/bloc at 25 °C
Float voltage compensation	-18mV/°C
Maximum charging current	2.25 A
Case	ABS with HB flammability rate (according UL 94)
Internal resistance	23.6 mΩ in full charged condition
Weight	2.70 kg
Dimensions	L x W x H (TH): 151 x 65 x 94 (99)
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 FGH 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

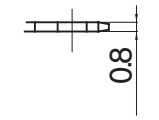




The dimensions have a tollerance of : ± 1.6%

Faston 6.3 mm





SSLA Products

FGH series

12FGH36
12 Volt
9 Ah

АИ30

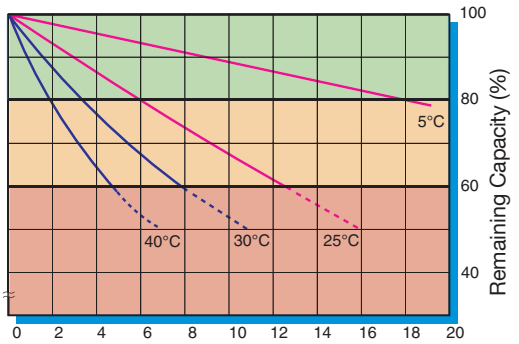
MH27960

Capacity loss during storage at various temperatures

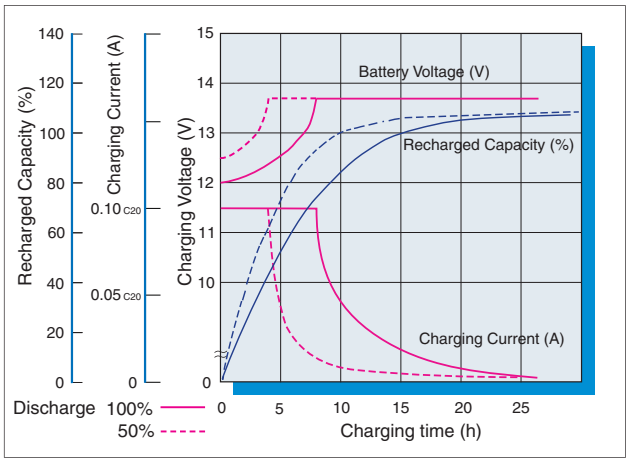
The battery can be used without refreshing charge

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

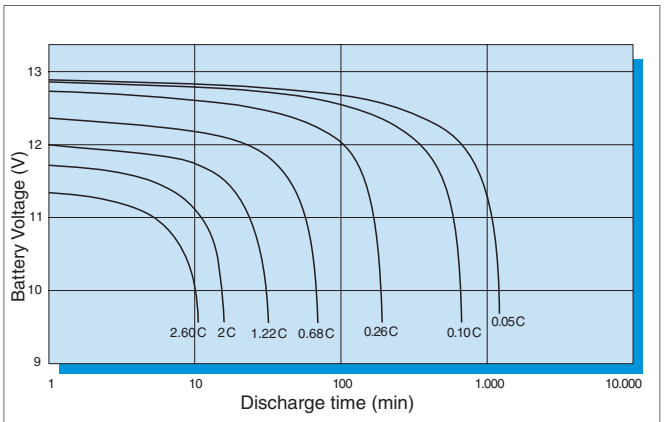
Refreshing charge of 2.4 Vpc may be insufficient to recover the battery capacity. It is important to avoid this area



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
9.60 V	40.7	27.8	20.7	16.5	11.8	8.27	6.08	3.28	2.31	1.48
9.90 V	40.4	27.5	20.5	16.3	11.7	8.22	6.04	3.26	2.30	1.47
10.02 V	40.1	27.4	20.4	16.2	11.6	8.19	6.02	3.24	2.28	1.47
10.20 V	39.8	27.1	20.1	16.0	11.5	8.14	5.97	3.21	2.26	1.46
10.50 V	39.0	26.5	19.6	15.7	11.4	8.01	5.87	3.13	2.22	1.43
10.80 V	37.9	25.7	18.9	15.3	11.1	7.86	5.76	3.08	2.13	1.36

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
9.60 V	406.7	285.3	217.2	175.6	128.5	92.0	68.4	37.4	26.5	17.1
9.90 V	405.1	284.2	216.1	174.9	128.1	91.7	68.2	37.3	26.5	17.1
10.02 V	403.5	283.0	215.0	174.1	127.7	91.5	68.0	37.1	26.4	17.1
10.20 V	400.3	280.6	212.8	172.6	126.9	90.9	67.5	36.8	26.2	17.0
10.50 V	393.9	275.9	208.3	169.5	125.2	89.9	66.6	36.1	25.8	16.8
10.80 V	384.3	268.2	202.8	166.2	123.0	88.6	65.6	35.7	24.9	16.0

FIAMM reserves the right to change or revise without notice any information or detail given in this pubblication

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