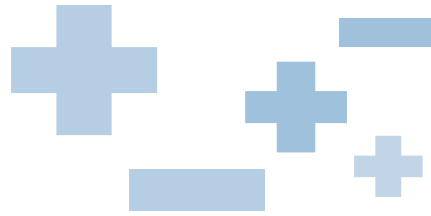


FIAMM

Industrial Batteries

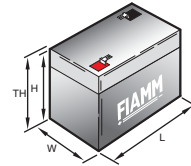
FG series



Valve Regulated Lead-Acid batteries

All FIAMM batteries have been specifically developed to enhance economy of operation, reliability and energy output. The values reached in these areas position FIAMM batteries on the top of the market, representing the ideal solution for all applications.

TPF*: Terminal Position Figure



- Faston
- Round (Threaded inserted)
- Wire + Connector
- Bolt and Nut



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6

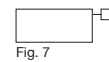


Fig. 7



Fig. 8



Fig. 9

| Model | VdS | Nominal voltage (V) | Capacity (Ah) | | | | Weight (gr) | TPF* | Dimensions (mm) | | | | Max discharge current 5" (A) | Temp. (°C) | | | Max charge current (A) | Terminal Type |
|-----------|-----|---------------------|--------------------------------|--------------------------------|-------------------------------|---------------------------------|-------------|------|-----------------|------|-----|-----|------------------------------|------------|-----------|----------|------------------------|-------------------|
| | | | Discharge 20 h rate 1.75V/cell | Discharge 10 h rate 1.75V/cell | Discharge 5 h rate 1.70V/cell | Discharge 1.5 h rate 1.60V/cell | | | L | W | H | TH | | Charge | Discharge | Storage | | |
| FG10121 | | 6 | 1.2 | 1.08 | 1.00 | 0.78 | 315 | 6 | 97 | 24.5 | 50 | 56 | 12 | 0 ÷ 40 | -20 ÷ 50 | -20 ÷ 50 | 0.3 | FAST-ON 4.8 |
| FG10301 | • | 6 | 3.0 | 2.7 | 2.55 | 1.95 | 715 | 2 | 134 | 34 | 60 | 67 | 30 | | | | 0.75 | FAST-ON 4.8 |
| FG10381 | | 6 | 3.8 | 2.88 | 2.72 | 2.08 | 720 | 3 | 66 | 33 | 118 | 125 | 38 | | | | 0.95 | FAST-ON 4.8 |
| FG10451 | | 6 | 4.5 | 3.6 | 3.4 | 2.6 | 725 | 1 | 70 | 47 | 100 | 106 | 45 | | | | 1.13 | FAST-ON 4.8 |
| FG10501 | | 6 | 5.0 | 4.0 | 3.8 | 2.9 | 820 | 1 | 70 | 47 | 100 | 106 | 50 | | | | 1.25 | FAST-ON 4.8 |
| FG10721 | | 6 | 7.2 | 6.3 | 5.95 | 4.55 | 1225 | 3 | 151 | 34 | 94 | 99 | 72 | | | | 1.8 | FAST-ON 4.8 |
| FG11201/2 | • | 6 | 12 | 10.8 | 9.6 | 7.5 | 1900 | 2 | 151 | 50 | 94 | 99 | 120 | | | | 3 | FAST-ON 4.8 / 6.3 |

| | | | | | | | | | | | | | | | | | | |
|-----------|---|----|-----|------|------|------|------|---|-----|------|------|-----|-----|--------|----------|----------|------|-------------------|
| FG20086 | | 12 | 0.8 | 0.72 | 0.63 | 0.53 | 350 | 7 | 96 | 25 | 62 | 62 | 8 | 0 ÷ 40 | -20 ÷ 50 | -20 ÷ 50 | 0.2 | WIRE+CONNECTOR |
| FG20121 | • | 12 | 1.2 | 1.06 | 0.98 | 0.8 | 600 | 4 | 97 | 48.5 | 50.5 | 55 | 12 | | | | 0.3 | FAST-ON 4.8 |
| FG20121A | • | 12 | 1.2 | 1.08 | 1.0 | 0.78 | 600 | 4 | 97 | 42 | 51 | 59 | 12 | | | | 0.3 | FAST-ON 4.8 |
| FG20201 | • | 12 | 2.0 | 1.83 | 1.65 | 1.37 | 930 | 2 | 178 | 34 | 60 | 65 | 20 | | | | 0.5 | FAST-ON 4.8 |
| FG20271 | | 12 | 2.7 | 2.43 | 2.25 | 1.76 | 1130 | 3 | 79 | 55.5 | 102 | 106 | 27 | | | | 0.68 | FAST-ON 4.8 |
| FG20341 | | 12 | 3.4 | 3.0 | 2.9 | 2.2 | 1410 | 4 | 134 | 67 | 60 | 65 | 34 | | | | 0.85 | FAST-ON 4.8 |
| FG20451 | | 12 | 4.5 | 4.1 | 3.8 | 3.0 | 1580 | 3 | 90 | 70 | 102 | 106 | 45 | | | | 1.13 | FAST-ON 4.8 |
| FG20721/2 | • | 12 | 7.2 | 6.7 | 6.0 | 5.0 | 2450 | 4 | 151 | 65 | 94 | 99 | 72 | | | | 1.8 | FAST-ON 4.8 / 6.3 |
| FG21201/2 | • | 12 | 12 | 11.3 | 10 | 8.4 | 3750 | 4 | 151 | 98 | 94 | 99 | 120 | | | | 3 | FAST-ON 4.8 / 6.3 |
| FG21703 | • | 12 | 17 | 15.5 | 13.9 | 11.2 | 5900 | 8 | 181 | 76 | 167 | 167 | 170 | | | | 4.25 | FLAG Ø 5.5 |
| FG21803 | | 12 | 18 | 16.9 | 15 | 12.7 | 5900 | 8 | 181 | 76 | 167 | 167 | 180 | | | | 4.5 | FLAG Ø 5.5 |

| EXTENDED LIFETIME | Model | VdS | Nominal voltage (V) | Capacity (Ah) | Weight (gr) | TPF* | Dimensions (mm) | Max discharge current 5" (A) | Temp. (°C) | Max charge current (A) | Terminal Type | | | | | |
|-------------------|-----------|-----|---------------------|---------------|-------------|------|-----------------|------------------------------|------------|------------------------|---------------|-----|------|-----|----------|-----------------------|
| | FG22703/5 | • | 12 | 27 | 24.4 | 22.1 | 18.4 | 8500 | 8/5 | 166 | 175 | 125 | 125 | 270 | 6.8 | FLAG Ø 5.5 / ROUND M5 |
| | FG24204/7 | • | 12 | 42 | 37.9 | 34.4 | 28.5 | 13800 | 8/5 | 196 | 163 | 174 | 174 | 400 | 10.5 | FLAG Ø 6.5 / ROUND M6 |
| | FG25507 | | 12 | 55 | 49.6 | 45 | 37.3 | 18500 | 5 | 229 | 138 | 212 | 212 | 500 | 13.8 | ROUND M6 |
| | FG26505/7 | • | 12 | 65 | 58.3 | 54 | 45.1 | 23200 | 5 | 271 | 166 | 190 | 190 | 580 | 16.3 | ROUND M5 / ROUND M6 |
| | FG27004/7 | • | 12 | 70 | 64.4 | 58.5 | 47.4 | 22600 | 8/5 | 350 | 166 | 174 | 174 | 600 | 17.5 | FLAG Ø 6.5 / ROUND M6 |
| | FG28009 | | 12 | 80 | 73 | 66.9 | 54.2 | 27200 | 5 | 260 | 169 | 212 | 212 | 650 | 20 | ROUND M8 |
| | FG2A007 | | 12 | 100 | 94 | 85 | 70.8 | 32400 | 5 | 329 | 172 | 214 | 221 | 750 | 25 | ROUND M6 |
| | FG2C007 | | 12 | 120 | 112 | 102 | 85 | 38000 | 5 | 407 | 173 | 215 | 225 | 800 | 30 | ROUND M6 |
| | FG2F009 | | 12 | 150 | 141 | 127 | 106 | 46000 | 5 | 483 | 170 | 220 | 220 | 900 | 38 | ROUND M8 |
| FG2M009 | | 12 | 200 | 188 | 170 | 141 | 68000 | 9 | 500 | 226 | 235 | 235 | 1000 | 50 | ROUND M8 | |

SSLA Products

Constant Current discharge table (Amperes)

Final Voltage: 1.65 V/cell - Temperature: 25°C

| Model | 5 min | 10 min | 15 min | 20 min | 30 min | 45 min | 1 hour | 2 hours | 3 hours | 5 hours | 10 hours | 20 hours |
|-----------|-------|--------|--------|--------|--------|--------|--------|---------|---------|---------|----------|----------|
| FG20721 | 27.1 | 18.3 | 13.8 | 11.1 | 8.11 | 5.91 | 4.73 | 2.66 | 1.88 | 1.21 | 0.67 | 0.37 |
| FG21201/2 | 38 | 26.9 | 20.7 | 16.7 | 12.5 | 9.21 | 7.42 | 4.23 | 3.14 | 2.02 | 1.12 | 0.62 |
| FG21803 | 58.3 | 39.3 | 29.7 | 24.1 | 17.9 | 13.3 | 10.8 | 6.28 | 4.61 | 3.06 | 1.7 | 0.93 |
| FG22703/5 | 84.5 | 60.6 | 47.7 | 39.4 | 28.7 | 21.1 | 17.6 | 9.68 | 6.93 | 4.54 | 2.53 | 1.39 |
| FG24204/7 | 146 | 101 | 76.5 | 62.7 | 46.9 | 34 | 26.7 | 14.6 | 10.5 | 6.97 | 3.87 | 2.16 |
| FG25507 | 176 | 128 | 98.7 | 80.5 | 59.8 | 43.6 | 34.2 | 19.3 | 13.9 | 9.2 | 5.1 | 2.81 |
| FG26505 | 208 | 152 | 117 | 95.2 | 70.6 | 51.5 | 40.5 | 22.8 | 16.4 | 10.9 | 6.03 | 3.32 |
| FG27004/7 | 224 | 164 | 126 | 102 | 76.1 | 55.5 | 43.6 | 24.5 | 17.7 | 11.7 | 6.49 | 3.58 |
| FG28009 | 247 | 181 | 148 | 122 | 90.9 | 65.8 | 51.7 | 28.7 | 20.4 | 13.4 | 7.58 | 4.07 |
| FG2A007 | 309 | 226 | 186 | 152 | 114 | 82.2 | 64.7 | 35.9 | 25.5 | 16.7 | 9.47 | 5.09 |
| FG2C007 | 371 | 271 | 223 | 183 | 136 | 98.7 | 77.6 | 43.1 | 30.6 | 20.1 | 11.4 | 6.11 |
| FG2F009 | 464 | 339 | 278 | 228 | 170 | 123 | 97 | 53.8 | 38.3 | 25.1 | 14.2 | 7.63 |
| FG2M009 | 618 | 452 | 371 | 304 | 227 | 164 | 129 | 71.8 | 51 | 33.4 | 18.9 | 10.2 |

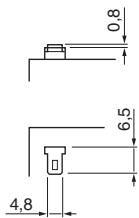
Constant Power discharge table (Watts per bloc)

Final Voltage: 1.65 V/cell - Temperature: 25°C

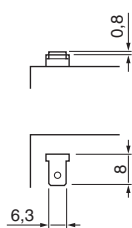
| Model | 5 min | 10 min | 15 min | 20 min | 30 min | 45 min | 1 hour | 2 hours | 3 hours | 5 hours | 10 hours | 20 hours |
|-----------|-------|--------|--------|--------|--------|--------|--------|---------|---------|---------|----------|----------|
| FG20721 | 272 | 189 | 146 | 119 | 88.8 | 65.9 | 53.3 | 30.5 | 21.7 | 14.1 | 7.84 | 4.34 |
| FG21201/2 | 382 | 278 | 218 | 179 | 137 | 103 | 83.8 | 48.4 | 36.2 | 23.4 | 13.1 | 7.23 |
| FG21803 | 585 | 406 | 313 | 258 | 196 | 148 | 122 | 71.8 | 53.1 | 35.5 | 19.8 | 10.9 |
| FG22703/5 | 848 | 626 | 503 | 423 | 314 | 235 | 199 | 111 | 79.9 | 52.7 | 29.4 | 16.3 |
| FG24204/7 | 1469 | 1040 | 806 | 673 | 513 | 379 | 301 | 167 | 121 | 81 | 45.1 | 25.2 |
| FG25507 | 1768 | 1327 | 1039 | 864 | 654 | 487 | 387 | 220 | 160 | 107 | 59.4 | 32.9 |
| FG26505 | 2089 | 1568 | 1228 | 1021 | 773 | 575 | 457 | 261 | 189 | 126 | 70.2 | 38.8 |
| FG27004/7 | 2250 | 1688 | 1322 | 1100 | 833 | 619 | 492 | 281 | 204 | 136 | 75.6 | 41.8 |
| FG28009 | 2595 | 1938 | 1607 | 1326 | 1000 | 729 | 577 | 324 | 231 | 153 | 87 | 47 |
| FG2A007 | 3244 | 2423 | 2009 | 1658 | 1250 | 912 | 721 | 405 | 289 | 191 | 109 | 58.7 |
| FG2C007 | 3893 | 2907 | 2411 | 1990 | 1500 | 1094 | 865 | 486 | 347 | 229 | 131 | 70.5 |
| FG2F009 | 4866 | 3634 | 3014 | 2487 | 1875 | 1367 | 1081 | 607 | 434 | 286 | 163 | 88.1 |
| FG2M009 | 6488 | 4846 | 4018 | 3316 | 2500 | 1823 | 1442 | 810 | 579 | 382 | 218 | 117 |

Terminal type (last digit of model number)

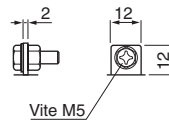
■ Type 1
Faston 4.8



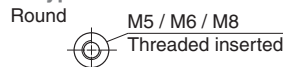
■ Type 2
Faston 6.3



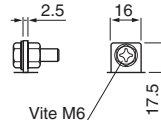
■ Type 3
Flag M5



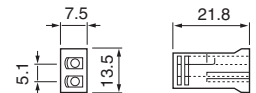
■ Type 5 / 7 / 9



■ Type 4
Flag M6



■ Type 6
Wire and connector



MALE AMP. INC. N. 1-480318-0
FEMALE AMP. INC. N. 60617-1

Wire length
105 (D. 4134) ÷ 10 (D. 0394)