



Industrial Batteries

HIGHLITE FLX540



FIAMM's FLX batteries have been specifically designed to achieve optimal performance in:

- + High-Rate UPS Systems

FLX Product Features

- + High integrity design with superior energy density in industry standard footprint
- + Microporous absorbent glass mat "AGM" technology, low maintenance, 99% recombination, non-spillable
- + 10-year design life at 25C
- + UL 94 V0 Rated flame retardant plastics
- + Gravity cast, high purity, Lead-Tin Calcium grids for low corrosion and high rate performance
- + Individual cell flame arrestors
- + Non-spillable, unrestricted for air/water/surface transport
- + Handles, integrated design, flush mount



FIAMM FLX540

| PART NUMBER | CAPACITY Watt per Cell 15 mins 1.67V/C | CAPACITY Amp Hours 8 hours 1.75V/C | DIMENSIONS (ins) | | | WEIGHT lbs/(kg) | TERMINALS |
|-------------|--|--|------------------------------|----------------------------|------------------------------|--------------------|-----------|
| | | | Top Length/ Bottom Length | Top Width/ Bottom Width | Top Height/ Bottom Height | | |
| 12 FLX 540 | 540 | 136.7 | 13.31/12.74 | 6.85/6.57 | 10.87 | 97.5/(44.3) | 1/4" - 20 |

DISCHARGE WATTS PER CELL AT 77°F

| Volts per Cell | MINUTES | | | | | | |
|----------------|---------|-----|-----|-----|-----|-----|-----|
| | 5 | 10 | 15 | 20 | 30 | 45 | 60 |
| 1.60 | 952 | 728 | 578 | 477 | 356 | 256 | 202 |
| 1.65 | 900 | 687 | 554 | 458 | 348 | 253 | 202 |
| 1.67 | 869 | 657 | 540 | 448 | 343 | 252 | 196 |
| 1.70 | 849 | 647 | 534 | 447 | 342 | 248 | 195 |
| 1.75 | 765 | 607 | 501 | 427 | 328 | 243 | 193 |
| 1.80 | 687 | 554 | 464 | 401 | 315 | 238 | 189 |
| 1.85 | 590 | 488 | 412 | 352 | 283 | 216 | 177 |

Applicable Standards

Telcordia (Bellcore) SR-4228
 Telcordia (Bellcore) TR-NWT-001200
 Telcordia (Bellcore) TR-NWT-000909
 UL Recognized

UL 94
 UL 1778
 IEC 60896 Part 21-22

Fiamm

Global Manufacturer of lead acid batteries since 1942
 USA manufacturing plant- Waynesboro, Georgia

HIGHLITE FLX540



FLX540 EXTENDED RUNTIME DISCHARGE WATTS PER CELL AT 77°F

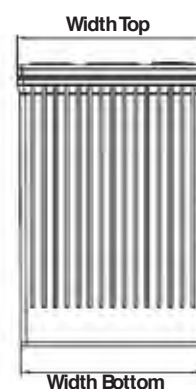
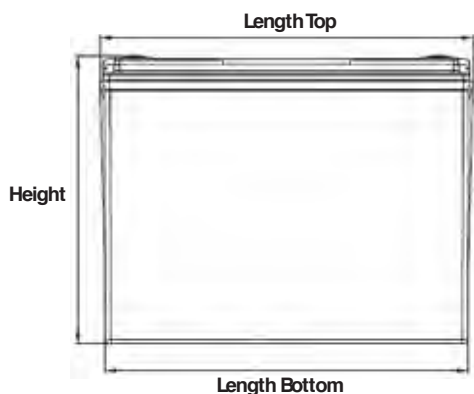
| Volts per Cell | MINUTES | | | | | | |
|----------------|---------|------|------|------|------|------|------|
| | 90 | 120 | 180 | 240 | 300 | 480 | 600 |
| 1.60 | 138 | 107 | 76.2 | 59.6 | 49.8 | 33.9 | 28.3 |
| 1.65 | 137 | 107 | 75.8 | 59.3 | 49.7 | 33.8 | 28.1 |
| 1.67 | 136 | 107 | 75.6 | 59.2 | 49.6 | 33.7 | 28.1 |
| 1.70 | 136 | 107 | 75.3 | 59.0 | 49.4 | 33.6 | 28.1 |
| 1.75 | 134 | 106 | 74.8 | 58.7 | 49.2 | 33.3 | 27.8 |
| 1.80 | 132 | 105 | 74.1 | 58.0 | 48.6 | 33.1 | 27.7 |
| 1.85 | 124 | 99.4 | 71.6 | 56.2 | 47.2 | 32.2 | 26.8 |

FLX540 DISCHARGE AMPS AT 77°F

| Volts per Cell | MINUTES | | | | | | |
|----------------|---------|------|------|------|------|------|------|
| | 30 | 60 | 120 | 180 | 240 | 300 | 480 |
| 1.60 | 194 | 109 | 57.1 | 40.2 | 31.4 | 26.2 | 17.7 |
| 1.65 | 187 | 107 | 56.3 | 39.7 | 31.0 | 25.9 | 17.5 |
| 1.67 | 184 | 105 | 55.9 | 39.4 | 30.8 | 25.7 | 17.4 |
| 1.70 | 181 | 104 | 55.6 | 39.2 | 30.6 | 25.6 | 17.4 |
| 1.75 | 172 | 100 | 54.7 | 38.5 | 30.1 | 25.2 | 17.0 |
| 1.80 | 163 | 97.0 | 53.3 | 37.6 | 29.5 | 24.6 | 16.8 |
| 1.85 | 144 | 89.5 | 50.0 | 35.9 | 28.2 | 23.6 | 16.1 |

Electrical Characteristics

- + FLOAT VOLTAGE AT 77°F: 13.62 V/block (13.6-13.8)
- + FLOAT VOLTAGE COMPENSATION WITH TEMPERATURE: -8.3 mV/°F per bloc
- + SELF-DISCHARGE AT 77°F: < 2% / month



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

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