

# SD SDH

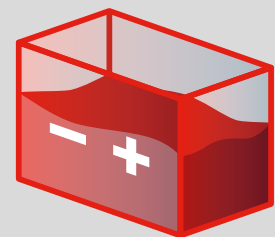
**FIAMM**  
+ -

**High-rate  
flooded cells**

**High-rate  
performance**



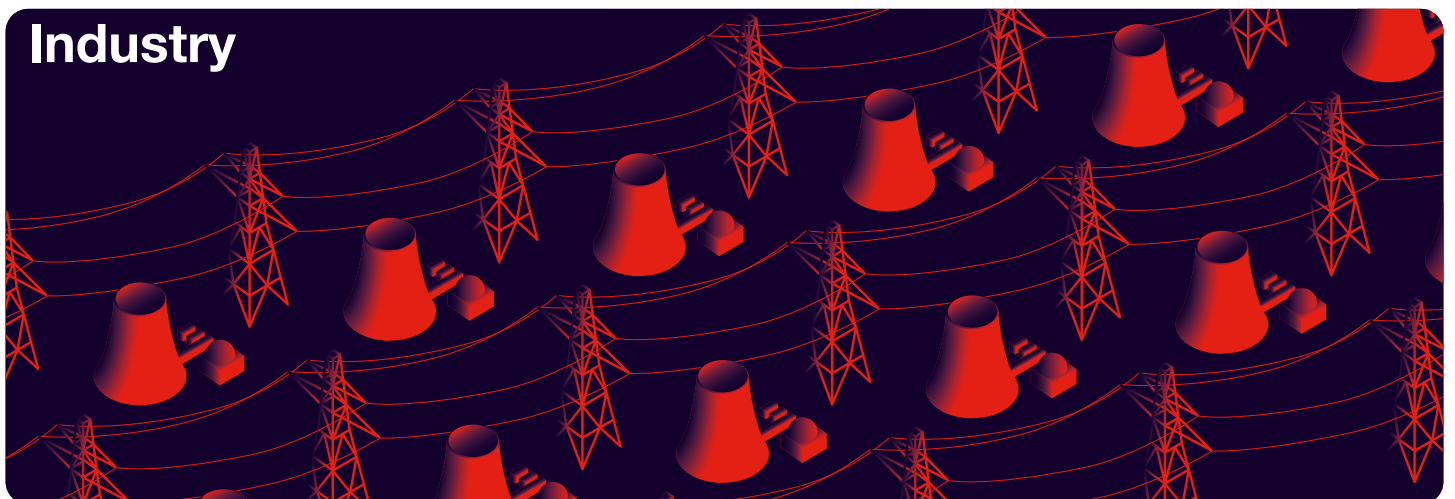
**Flooded  
technology**



**99%  
RECY  
CLABLE**



**Industry**



# SD SDH

## 15 years design life flat-plate flooded cells for high rate demanding application

The SD-SDH range is the perfect choice when the application requires high power in a short period. Main applications include industrial UPS, utilities, industry and oil & gas. The range is designed to provide a high level of robustness for applications where high energy peaks are needed in a short time.

Due to special low antimony plates design the range has the added

benefit of low maintenance resulting in lower operating costs. Under normal float operating conditions, topping-up is required every three years. The design has been optimized to lower self-discharge during storage. All these outstanding features add up to a longer life product with lower maintenance costs. Like all FIAMM lead-acid batteries, the SD/SDH range is eco-friendly and fully recyclable at the end of life.

| Cell type | Nominal capacity (Ah) | Nominal dimension (mm) |       |        | Electrolyte quantity (liters) | Typical weight (with electrolyte) (kg) |
|-----------|-----------------------|------------------------|-------|--------|-------------------------------|--|
|           | 10H 1.80VPC 20°C      | Length                 | Width | Height |                               |  |
| SD 5      | 80                    | 103                    | 206   | 423    | 4.4                           | 13.8                                   |
| SD 7      | 120                   | 103                    | 206   | 423    | 4.0                           | 15.5                                   |
| SD 9      | 160                   | 124                    | 206   | 423    | 5.2                           | 17.5                                   |
| SD 11     | 200                   | 124                    | 206   | 423    | 4.8                           | 20.5                                   |
| SD 13     | 240                   | 145                    | 206   | 423    | 6.0                           | 23.5                                   |
| SD 15     | 280                   | 145                    | 206   | 423    | 6.0                           | 26.3                                   |
| SD 17     | 320                   | 187                    | 206   | 423    | 8.0                           | 29.5                                   |
| SD 19     | 360                   | 187                    | 206   | 423    | 7.7                           | 30.6                                   |
| SD 21     | 400                   | 187                    | 206   | 423    | 7.6                           | 32.0                                   |
| SD 23     | 440                   | 187                    | 206   | 423    | 7.4                           | 35.0                                   |
| SDH 13    | 480                   | 145                    | 206   | 710    | 10.9                          | 43.9                                   |
| SDH 15    | 560                   | 145                    | 206   | 710    | 10.5                          | 46.7                                   |
| SDH 17    | 640                   | 210                    | 191   | 710    | 15.2                          | 57.0                                   |
| SDH 19    | 720                   | 210                    | 191   | 710    | 14.4                          | 59.5                                   |
| SDH 21    | 800                   | 210                    | 191   | 710    | 14.4                          | 66.8                                   |
| SDH 23    | 880                   | 210                    | 233   | 710    | 18.4                          | 71.0                                   |
| SDH 25    | 960                   | 210                    | 233   | 710    | 17.6                          | 78.8                                   |
| SDH 27    | 1040                  | 210                    | 233   | 710    | 16.8                          | 76.0                                   |
| SDH 29    | 1120                  | 210                    | 275   | 710    | 20.8                          | 92.6                                   |
| SDH 31    | 1200                  | 210                    | 275   | 710    | 20.4                          | 95.4                                   |
| SDH 33    | 1280                  | 210                    | 275   | 710    | 20.0                          | 98.2                                   |
| SDH 35    | 1360                  | 210                    | 275   | 710    | 19.6                          | 101                                    |
| SDH 37    | 1440                  | 218                    | 368   | 687    | 36.8                          | 117                                    |
| SDH 39    | 1520                  | 218                    | 368   | 687    | 34.8                          | 121                                    |
| SDH 41    | 1600                  | 218                    | 368   | 687    | 33.1                          | 124                                    |
| SDH 43    | 1680                  | 218                    | 368   | 687    | 30.8                          | 128                                    |
| SDH 45    | 1760                  | 218                    | 368   | 687    | 29.2                          | 131                                    |
| SDH 47    | 1840                  | 218                    | 368   | 687    | 24.8                          | 135                                    |
| SDH 49    | 1920                  | 218                    | 368   | 687    | 27.1                          | 138                                    |
| SDH 51    | 2000                  | 218                    | 448   | 687    | 36.0                          | 150                                    |
| SDH 53    | 2080                  | 218                    | 448   | 687    | 35.2                          | 152                                    |
| SDH 55    | 2160                  | 218                    | 448   | 687    | 33.6                          | 157                                    |
| SDH 57    | 2240                  | 218                    | 448   | 687    | 32.8                          | 161                                    |
| SDH 59    | 2320                  | 218                    | 448   | 687    | 31.5                          | 164                                    |

### Standards

IEC 60896 Part 11 – vented types requirements & tests

### Solutions & accessories

