



# 24 OPzS 3000

## 2V - 3000 Ah



### Electrical Specifications @ 20°C

|                               |               |                 |
|-------------------------------|---------------|-----------------|
| Nominal Voltage               |               | 2 V             |
| Capacity                      | C10 / 1,80V   | 3208 Ah         |
|                               | C5 / 1,77V    | 2752 Ah         |
|                               | C3 / 1,75V    | 2382 Ah         |
|                               | C1 / 1,67V    | 1739 Ah         |
| Self Discharge                | per Month     | ≈ 2 %           |
| Resistance                    | fully charged | ≈ 0,12 mΩ       |
| Float Charge                  | +/- 1%        | 2,23 Volt       |
| Boost Charge                  | +/- 1%        | 2,35-2,40 Volt  |
| Boost Charge Max. current     | Max 6h        | 1,5x I10 Ampere |
| Short Circuit                 |               | 17390 Ampere    |
| Temperature correction factor |               | - 4 mV / °C     |

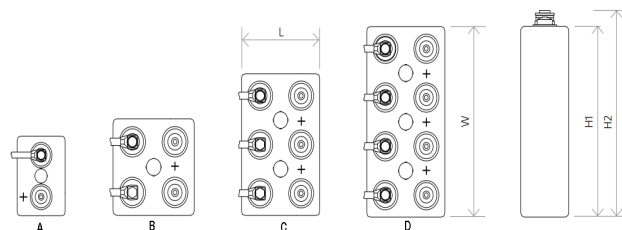
### Other Specifications @ 20°C

|                         |                 |
|-------------------------|-----------------|
| Design Life @ 20°C      | 20 Years        |
| Design Life @ 30°C      | 10 Years        |
| Design Life @ 40°C      | 5 Years         |
| Dimensions (LxWxH1) ± 3 | 212x576x837 mm  |
| Total Height (H2)       | 837 mm          |
| Operation temp          | -20 to 55 °C    |
| Recommended temp        | 10 to 30 °C     |
| Depth of Discharge DOD  | up to 80 % Max. |
| Case / pole settings    | ABS / D A/B/C/D |
| Terminal                | M10 bold        |
| Torque setting          | 20 ± 1 Nm       |
| Weight ( Dry / Wet )    | 170 / 240 kg    |

### Innovative Features

- Positive electrode tubular - plate with a polyester gauntlet in Corrosion resistant LA-PbSbSe - alloy
- Negative electrode grid - pasted type with long-life expander material
- Separation micro porous separator
- Electrolyte sulphuric acid with a density of 1,24 kg/l
- ABS, high impact transparent SAN container
- Plug for arresting aerosols - ceramic plugs according DIN 40 740
- Sliding Pole - bushing 100% gas- and electrolyte-tight
- M10 brass insertion pole
- Connectors, flexible insulated copper cables

### Dimensions / Pole settings



### Constant Current Discharge - Ampere @ 20°C

| V/Cell | 15 Min | 30 Min | 60 Min | 2h   | 3h  | 4h  | 5h  | 6h  | 8h  | 10h | 20h |
|--------|--------|--------|--------|------|-----|-----|-----|-----|-----|-----|-----|
| 1,90   | 777    | 760    | 735    | 636  | 524 | 458 | 399 | 356 | 294 | 254 | 161 |
| 1,87   | 1032   | 992    | 925    | 727  | 596 | 513 | 452 | 400 | 333 | 284 | 162 |
| 1,83   | 1319   | 1258   | 1104   | 851  | 684 | 576 | 504 | 441 | 365 | 308 | 171 |
| 1,80   | 1573   | 1475   | 1235   | 930  | 738 | 618 | 536 | 466 | 383 | 321 | 181 |
| 1,75   | 1911   | 1733   | 1409   | 1018 | 794 | 656 | 565 | 481 | 398 | 330 | 185 |
| 1,70   | 2337   | 2025   | 1540   | 1079 | 826 | 672 | 582 | 500 | 410 | 333 | 187 |

### Constant Power Discharge - Watt @ 20°C

| V/Cell | 15 Min | 30 Min | 60 Min | 2h   | 3h   | 4h   | 5h   | 6h  | 8h  | 10h | 20h |
|--------|--------|--------|--------|------|------|------|------|-----|-----|-----|-----|
| 1,90   | 1479   | 1450   | 1410   | 1228 | 1017 | 891  | 775  | 695 | 574 | 500 | 320 |
| 1,87   | 1947   | 1872   | 1752   | 1388 | 1143 | 993  | 877  | 776 | 647 | 556 | 318 |
| 1,83   | 2432   | 2333   | 2043   | 1597 | 1297 | 1096 | 962  | 847 | 705 | 595 | 335 |
| 1,80   | 2868   | 2694   | 2274   | 1732 | 1386 | 1164 | 1013 | 885 | 736 | 615 | 355 |
| 1,75   | 3406   | 3127   | 2566   | 1878 | 1479 | 1228 | 1065 | 908 | 760 | 628 | 362 |
| 1,70   | 4058   | 3607   | 2778   | 1981 | 1523 | 1252 | 1092 | 942 | 787 | 632 | 355 |

Your Wing Dealer :



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