



7 OPzV 490

2V - 490 Ah



Electrical Specifications @ 20°C

| | | |
|-------------------------------|---------------|-----------------|
| Nominal Voltage | | 2 V |
| Capacity | C10 / 1,80V | 500 Ah |
| | C5 / 1,77V | 420 Ah |
| | C3 / 1,75V | 368 Ah |
| | C1 / 1,67V | 259 Ah |
| Self discharge | per month | ≈ 2 % |
| Resistance | fully charged | ≈ 0,52 mΩ |
| Float Charge | +/- 1% | 2,25 Volt |
| Boost Charge | +/- 1% | 2,35 Volt |
| Boost Charge Max. current | | 0,25 C10 Ampere |
| Short Circuit | | 3900 Ampere |
| Temperature correction factor | | - 4 mVolt / °C |

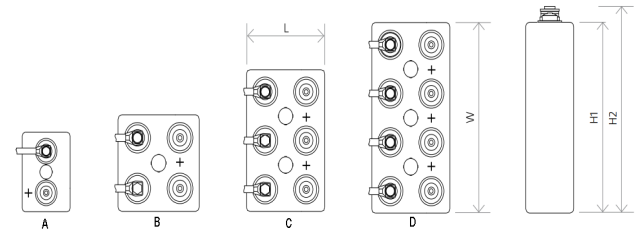
Other Specifications @ 20°C

| | |
|-------------------------|-----------------|
| Design Life @ 20°C | 20 Years |
| Design Life @ 30°C | 10 Years |
| Design Life @ 40°C | 5 Years |
| Dimensions (LxWxH1) ± 3 | 166x206x471 mm |
| Total Height (H2) | 496 mm |
| Operation temp | -20 to 45 °C |
| Recommended temp | 10 to 30 °C |
| Depth of Discharge DOD | up to 80 % |
| Case / pole settings | ABS / A A/B/C/D |
| Terminal | M10 bold |
| Torque setting | 20 ± 1 Nm |
| Weight | 41 kg |

Innovative Features

- Positive electrode tubular PbCaSn - alloy
- Negative electrode grid - pasted type with long-life expander material
- Separation micro porous separator
- 1,24 kg/l Electrolyte sulphuric acid - fixed as Gel by silica
- ABS, high impact container
- Valve pressure 50-100 mbar with flame arrestor
- Pole - bushing 100% gas- and electrolyte-tight
- M10 brass insertion sliding-pole
- Connectors, flexible insulated copper cables, with cross-section of 35-90 mm²

Dimensions / Pole settings



Constant Current Discharge - Ampere @ 20°C

| V/Cell | 15 min | 20 min | 30 min | 60 min | 90min | 2h | 3h | 4h | 5h | 6h | 7h | 8h | 10h | 20h |
|--------|--------|--------|--------|--------|-------|-----|-----|-----|----|----|----|----|------|------|
| 1,90 | 181 | 174 | 168 | 142 | 123 | 110 | 89 | 75 | 65 | 57 | 51 | 47 | 39,8 | 23,4 |
| 1,85 | 259 | 249 | 228 | 186 | 158 | 137 | 107 | 89 | 76 | 67 | 60 | 54 | 45,7 | 26,3 |
| 1,80 | 329 | 308 | 281 | 221 | 183 | 158 | 116 | 96 | 84 | 73 | 66 | 60 | 50,9 | 28,6 |
| 1,75 | 388 | 361 | 321 | 243 | 196 | 166 | 123 | 101 | 88 | 76 | 68 | 61 | 50,9 | 28,6 |
| 1,70 | 444 | 406 | 360 | 249 | 201 | 172 | 129 | 104 | 88 | 76 | 68 | 61 | 50,9 | 28,6 |
| 1,65 | 496 | 460 | 391 | 274 | 206 | 176 | 131 | 104 | 88 | 76 | 68 | 61 | 50,9 | 28,6 |

Constant Power Discharge - Watt @ 20°C

| V/Cell | 15 min | 20 min | 30 min | 60 min | 90min | 2h | 3h | 4h | 5h | 6h | 7h | 8h | 10h | 20h |
|--------|--------|--------|--------|--------|-------|-----|-----|-----|-----|-----|-----|-----|------|------|
| 1,90 | 344 | 331 | 321 | 272 | 237 | 212 | 172 | 145 | 126 | 111 | 100 | 91 | 78,4 | 46,2 |
| 1,85 | 483 | 466 | 427 | 348 | 297 | 259 | 204 | 170 | 147 | 129 | 116 | 105 | 88,9 | 51,5 |
| 1,80 | 600 | 562 | 513 | 407 | 339 | 294 | 218 | 181 | 159 | 140 | 125 | 114 | 97,6 | 56,1 |
| 1,75 | 691 | 647 | 579 | 443 | 360 | 306 | 229 | 189 | 166 | 144 | 128 | 117 | 97,6 | 56,1 |
| 1,70 | 771 | 713 | 641 | 449 | 366 | 316 | 238 | 194 | 166 | 144 | 128 | 117 | 96,9 | 55,8 |
| 1,65 | 851 | 799 | 689 | 489 | 371 | 320 | 239 | 194 | 165 | 143 | 128 | 116 | 96,6 | 54,4 |

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Your Wing Dealer :

