

8 OPzV 800



| Specification | |
|-------------------------|---|
| Float Voltage | Standby use 2.23 V/cell |
| Boost Recharge | Maximum voltage of 2.35 - 2.40 V/cell with a maximum current of 0.25 C10 (A) |
| Dimension | Length 191 mm (7,52 inches) |
| | Width 210 mm (8,27 inches) |
| | Height 644 mm (25,35 inches) |
| Weight | 65,5 kg |
| Self Discharge | Approx. 2% per month at 20°C |
| Tubular Positive Plates | Special grid construction, pressure cast from antimony free alloy, with highly porous gauntlets that retain the active material |
| Pasted Negative Plates | Service lives consistent with the positive plates |
| Electrolyte | Gel structure |
| Separators | Extremely high porosity and low internal resistance |
| Containers and Lids | Made of plastic (ABS) material. Also available in ABS flame retardant material as an option (according to IEC 707 FV0) |
| Installation | Cells are normally installed in an upright position on steel stands |
| One Way Relief Valve | Opens at low pressure and is fitted with a flame arrestor device |
| Terminals | Female treated terminal (M10) perfect contact and low resistance with flexible cable connectors |
| Post Seals | Prevents electrolyte leakage and terminal corrosion |
| Connectors | Flexible, fully insulated cable connectors screwed (with 20±1 Nm) to the terminal with an insulated screw having a probe hole on the top for electrical measurement |

Constant Current Discharge (Amperes) at 20°C (68°F)

| F.V/Time | 15min | 30min | 1h | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 20h |
|----------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1.90VPC | 317 | 289 | 244 | 180 | 145 | 122 | 106 | 93 | 76 | 65 | 38 |
| 1.85VPC | 467 | 391 | 310 | 224 | 174 | 145 | 124 | 109 | 89 | 75 | 43 |
| 1.80VPC | 581 | 489 | 374 | 258 | 188 | 157 | 138 | 120 | 97 | 82 | 46 |
| 1.75VPC | 700 | 549 | 407 | 271 | 200 | 165 | 140 | 122 | 98 | 82 | 46 |
| 1.70VPC | 802 | 616 | 414 | 281 | 210 | 168 | 142 | 123 | 99 | 83 | 47 |
| 1.65VPC | 896 | 658 | 460 | 287 | 213 | 170 | 144 | 124 | 100 | 83 | 47 |

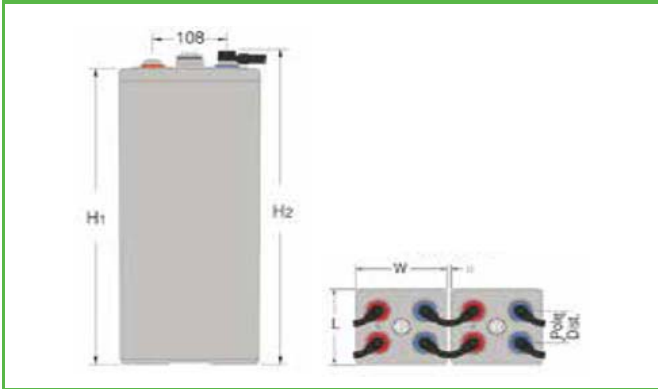
Constant Power Discharge (Watts) at 20°C (68°F)

| F.V/Time | 15min | 30min | 1h | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 20h |
|----------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1.90VPC | 603 | 551 | 468 | 347 | 281 | 237 | 206 | 181 | 149 | 128 | 75 |
| 1.85VPC | 871 | 732 | 580 | 424 | 332 | 278 | 239 | 210 | 172 | 145 | 84 |
| 1.80VPC | 1059 | 893 | 689 | 480 | 353 | 296 | 261 | 228 | 187 | 157 | 90 |
| 1.75VPC | 1247 | 990 | 741 | 500 | 372 | 309 | 264 | 230 | 188 | 157 | 91 |
| 1.70VPC | 1392 | 1097 | 746 | 516 | 387 | 313 | 267 | 232 | 188 | 157 | 89 |
| 1.65VPC | 1538 | 1159 | 821 | 521 | 389 | 313 | 267 | 231 | 187 | 156 | 88 |

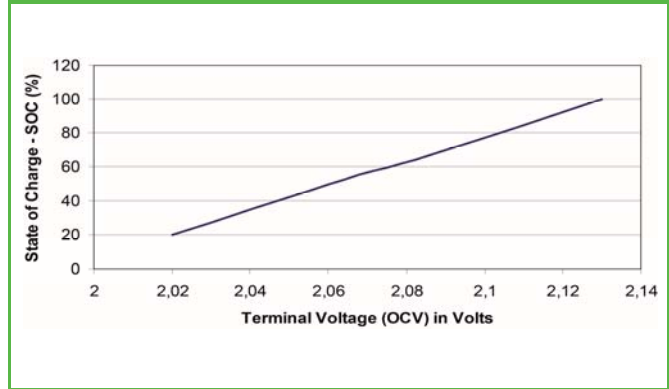


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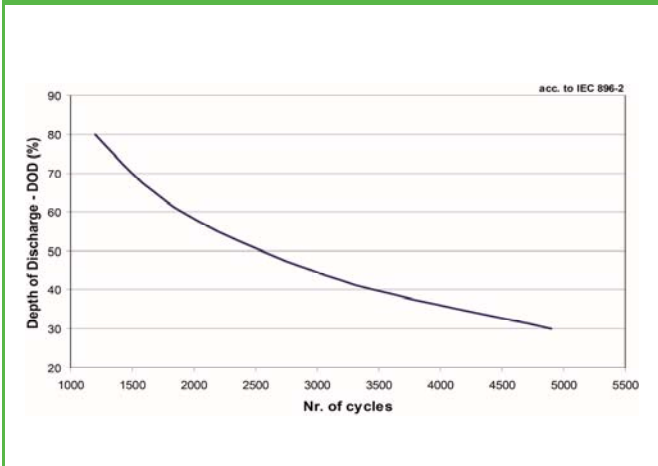
Layout



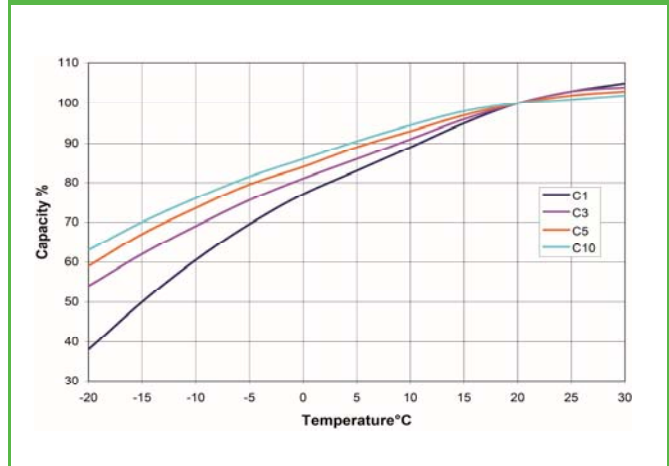
Terminal Voltage vs. SOC



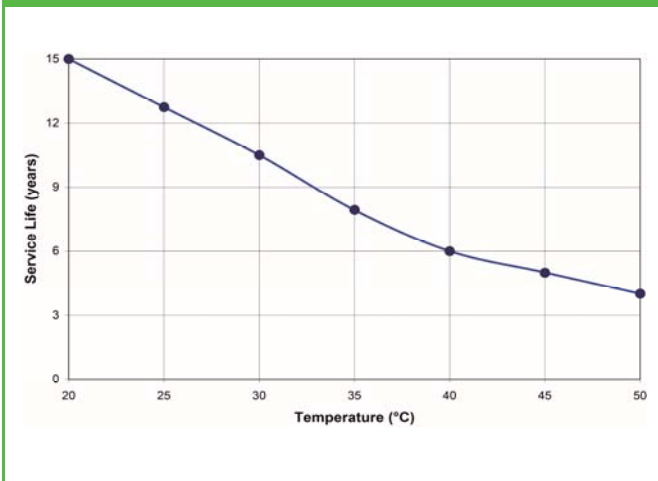
No. of cycles vs. DOD



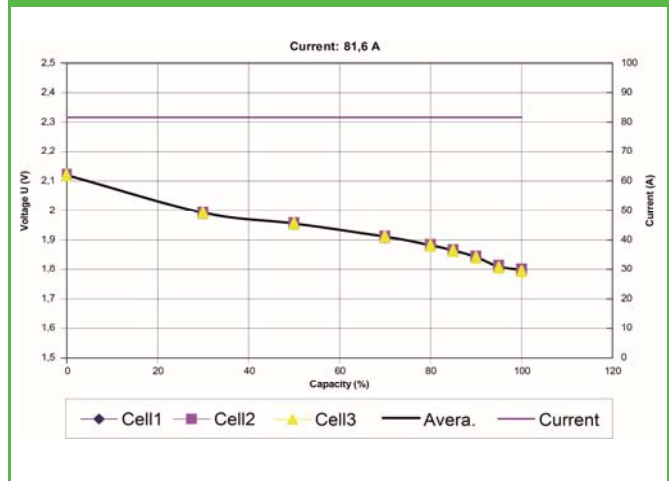
Capacity = f(T)



Service Life vs Temperature



Capacity test C10



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