



16STG125 - 16OPzV2000

DIMENSIONAL FEATURES

| | | | | |
|--------------------------------|--------------|---------------------------|--|--|
| Nominal Voltage | | 2V | | Stationary Cell GEL (OPzV) Device sealed regulated with valve VRLA Tubular positive plates and flat negative plates High porosity sheaths Electrolyte immobilized in gel Device against flames; box and lid in ABS FV0 Connection copper (Cu) section: 3x30mm No maintenance-no water refilling Wide range of applications Design Life 20 years (at 20°C) Lifetime @60% DOD (C10) @20°C : 2400 cycles Standards: CEI IEC EN 60896 Parts 21 and 22 |
| Nominal Capacity (10 hours) | | 2000Ah (1,80Vfin) at 20°C | | |
| Dimensions | Length | 210 ±2mm | | |
| | Width | 399 ±2mm | | |
| | Box Height | 772 ±2mm | | |
| | Total Height | 796 ±2mm | | |
| Technical Drawing n° 4 00309-0 | | Weight 160,0 Kg ± 5% | | |
| Standard Terminals | | Bolt Type: M10 | | |
| | | | | Bolt-and-nut terminal Bolt Type: M10 <p>(in mm)</p> |

ELECTRIC FEATURES

| Characteristics | | | Charging curves @ 20°C | |
|----------------------------------|-------------------------------|---|------------------------|--|
| Capacity | 10 hours (1,8Vfin pc at 20°C) | 2000,00Ah | | |
| | 8 hours (1,75Vfin pc at 20°C) | 1865,12Ah | | |
| | 5 hours (1,7Vfin pc at 20°C) | 1619,05Ah | | |
| | 3 hours (1,7Vfin pc at 20°C) | 1544,58Ah | | |
| | 1 hour (1,6Vfin pc at 20°C) | 1343,99Ah | | |
| Capacity affected by temperature | 40°C | 102% | | |
| | 20°C | 100% | | |
| | 0°C | 85% | | |
| Internal Resistance 0,13 mΩ±10% | | SCC 12000 A ±10% | | |
| Charging Voltage | Standby use | Max Charge Current 400 A Floating Voltage 2,23V at 20°C Boosting Charge 2,35V at 20°C Temperature Coefficient -3 mV/°C | | |

Constant Current(Amp) and Constant Power (Watt/Cell) Discharge Table at 20°C

| Vfin/Time | | 30 min | 60 min | 90 min | 2 h | 3 h | 5 h | 8 h | 10 h | 100 h | 120 h |
|-----------|---|---------|---------|---------|---------|---------|--------|--------|--------|-------|-------|
| 1,65V | A | 1836,00 | 1247,99 | 1031,43 | 693,33 | 534,29 | 343,24 | 240,00 | 210,00 | 27,17 | 23,05 |
| | W | 2273,02 | 1928,48 | 1645,90 | 1385,69 | 1091,01 | 737,02 | 515,34 | 429,45 | 52,24 | 44,49 |
| 1,70V | A | 1774,29 | 1194,66 | 995,24 | 668,57 | 514,86 | 340,00 | 237,71 | 208,00 | 27,44 | 23,28 |
| | W | 2195,31 | 1846,06 | 1588,15 | 1336,20 | 1051,33 | 730,07 | 510,43 | 425,36 | 52,74 | 44,92 |
| 1,80V | A | 1542,86 | 1066,66 | 904,76 | 619,05 | 485,71 | 323,81 | 228,57 | 200,00 | 26,38 | 22,38 |
| | W | 1942,75 | 1648,27 | 1443,77 | 1237,23 | 991,83 | 695,30 | 490,80 | 409,00 | 50,72 | 43,19 |