



# 12STA100 – 12OPzS1200

## DIMENSIONAL FEATURES

|                               |              |   |  |   |
|-------------------------------|--------------|---|--|---|
| Nominal Voltage               |              | 2V  |  | Stationary Cell flooded (OPzS)<br>Box Material: SAN transparent<br>Lid Material: ABS grey color<br>Positive tubular and Negative flat plates<br>Separators with low electric resistance<br>Copper Connection (Cu) section: 3x30mm<br>Standards: CEI EN 60896 Parte 11<br>EN 50272-2 |
| Nominal Capacity (10 hours)   |              | 1200Ah (1,80Vfin) at 20°C                 |  |   |
| Dimensions                    | Lenght       | 210 ±2mm                                  |  |   |
|                               | Width        | 275 ±2mm                                  |  |   |
|                               | Box Height   | 646 ±2mm                                  |  |   |
|                               | Total Height | 723 ±2mm                                  |  |   |
| Technical Drawing n°4 00404-0 |              | Weight 88,8 Kg ± 5%                       |  |   |
| Screw Terminals: M10 female   |              | Material: brass with protective treatment |  |   |
|                               |              |   |  |   |

## ELECTRIC FEATURES

| Characteristics                             |  |  | Charging curves @ 20°C (77 °F) |  |
|---|--|--|--------------------------------|--|
| Capacity                                    | 10 hours (1,80Vfin)<br>8 hours (1,75Vfin)<br>3 hours (1,70Vfin)<br>1 hour (1,65Vfin) | 1200,0 Ah<br>1153,2 Ah<br>875,8 Ah<br>561,6 Ah   |                                |  |
| Temperature influence on the capacity (10h) | 40°C<br>20°C<br>0° C   | 102%<br>100%<br>85%  |                                |  |
| Internal Resistance Ri: 0,21 mΩ ±10%        |  | SCC Isc: 9600 A ±10%   |                                |  |
| Charging Voltage                            | Standby use  | Max charging current 240A<br>Floating Voltage 2,23V at 20°C<br>Boosting Voltage 2,40V at 20°C<br>Temperature Coefficient -20 mV/°C |                                |  |

## Discharge Table at constant Current (Amp) and constant Power (Watt/cell) at 20°C

| Time  |   | 30min   | 60min   | 90min  | 2hours | 3hours | 5hours | 8hours | 10hours | 100hours | 120hours |
|-------|---|---------|---------|--------|--------|--------|--------|--------|---------|----------|----------|
| 1.65V | A | 745,68  | 561,60  | 454,92 | 396,05 | 302,94 | 207,97 | 148,68 | 126,00  | 16,30    | 13,83    |
|       | W | 1747,07 | 1156,68 | 886,46 | 748,80 | 561,92 | 391,52 | 279,66 | 226,80  | 29,43    | 24,97    |
| 1.70V | A | 705,53  | 544,80  | 445,94 | 388,23 | 291,92 | 206,01 | 147,26 | 124,80  | 16,46    | 13,97    |
|       | W | 1665,81 | 1117,80 | 855,36 | 723,39 | 546,09 | 389,67 | 278,35 | 225,42  | 29,32    | 24,87    |
| 1.80V | A | 573,60  | 480,00  | 408,00 | 355,20 | 275,40 | 196,20 | 141,60 | 120,00  | 15,83    | 13,43    |
|       | W | 1354,32 | 972,00  | 777,60 | 668,57 | 510,84 | 369,36 | 263,09 | 216,00  | 28,49    | 24,17    |