

STATIONARY BATTERIES ME TOPZS

Me TOPZS translucent stationary batteries, has been designed and manufactured to supply energy into renewable energy systems.



Baterías Estacionaria Me TOPZS

Me translucent **Stationary batteries TOPzS**, are Made in European Community under DIN 40736, EN 60896 and IEC 896-1 standards.

Me TOPZS **stationary batteries**, are made in cells of two volts manufactured in translucent polypropylene.

This **Stationary batteries**, are designed specially for **off-grid applications** in **Renewable Energy** systems, mainly **solar photovoltaic** installations, **small wind** or **hybrid systems**.

Design specifications

PLATE TYPE

Tubular positive plate with low percentage antimony alloy (<2%)
Negative plated-type plates with special alloys maintaining porosity of an active substance during operation.

SEPARATORS

Made with microporous plastic material with a low electrical resistance.

ELECTROLYTE

Diluted sulphuric acid with a density of 1.24 ± 0.01 Kg/l at 20°C.

CONTAINER

Polipropylene translucent container with green cover.

POLES

Therminal plugs are sealed with rubber seals. This prevents any escape of electrolyte.

CONNECTORS

M10, Brass insert, steel, insulated.
Flexible insulated copper cable, with cross-section of 35, 50, or 70 mm², depending of the battery capacity.

INSTALLATION

TOPzS cells should be installed into a metalical structure, fixing the latterals of the cell.

Charge specifications

IU CHARGE CHARACTERISTICS

I_{max} without limitation.
Float voltage of 2,23 V/cell \pm 1 %
Boost charge between 2,35 to 2,40 V per cell.

DISCHARGE CHARACTERISTICS

Initial capacity equal to 100 % of nominal capacity
Normal depth of discharge up to 80%
Discharges higher than 80% DOD or beyond the final discharge voltages have to ve avoided.

Operational data

OPERATIONAL LIFE

Up to 15 years

IEC 896-1 CYCLES

1200

SELF-DISCHARGE

Approx. 3% per month at 20°C

OPERATIONAL TEMPERATURE

Recommended between 10°C and 30°C
Maximum and minimum temperature allowed: -20°C to 55 °C

STANDARDS

IEC 896-1
EN 60896-1,
EN 61427
EN 50272-2 (Safety, Ventilation)

SPECIFICATIONS

Model	Nominal Capacity C10 1,80 V/C Ah 20° C	Nominal Capacity C100 1,85 V/C Ah 25° C	l	w	H*	Weight Dry	Weight Filled
3 TOPzS 265	265	345	198	83	472	12,4	18,4
4 TOPzS 353	363	458	198	101	472	16,0	23,3
5 TOPzS 442	442	575	198	119	472	20,2	29,0
4 TOPzS 500	500	650	198	101	720	24,3	35,2
5 TOPzS 625	625	812	198	119	720	30,3	43,2
6 TOPzS 750	750	975	198	137	720	38,0	53,5
7 TOPzS 875	875	1137	198	173	720	44,0	64,2
8 TOPzS 1000	1000	1300	198	191	720	50,2	72,5