

# TECHNICAL DATA SHEET

6PZS180



## Applications



CYCLIC



SOLAR



MARINE

## I. Characteristics

Nominal voltage /V/	6
Nominal capacity while 5h discharge C5 /Ah/	175
Capacity in 20h discharge C20 /Ah/	225
Nominal power of discharge $I_N = C_N(Ah)/5h$ /A/	35
End voltage discharge $U_r$ /V/	5,1
End voltage charge /V/	7,8 ÷ 8,1
Electrolyte density in fully charged condition	1,28 ± 0,01 g/cm <sup>3</sup> at 30°C
Length, width, height	260x180x275
Weight with electrolyte	31
Charging- discharging cycles	800
Guarantee /months/	18

## II. Characteristics of self-discharge .

The Self-discharge of traction batteries, at temperature +30°C after being in fully charged condition 30 days, should be not more than 1 %

## III. Batteries' lifetime – characteristics .

Number of Charging – discharging cycles 800 – when following the instructions presented by the manufacturer.

### IV. Temperature effect on the capacity.

The capacity of the starter batteries is considered to be true for the temperature of 30°C. If during the testing of the capacity the degrees are different from 30°C, the capacity may be equaled to 30°C using the following formula:

$$C_a = \frac{C}{1 + 0,006(T_{at.} - 30^\circ C)}$$

$C_a$  - True capacity.

$C$  - Measured capacity.

$T_{at.}$  - Average temperature during the testing.

For practical purposes the true capacity could be calculated by using the following way:

- With raising the temperature above 30°C the measured capacity will be increased with 0.6% per every degree.
- With decreasing the temperature under 30°C the measured capacity will be decreased with 0.6% per every degree.