

TECHNICAL SPECIFICATION T-2095-B
BATTERY 12V/92AH
(AGM, VRLA, MAINTENANCE FREE)

1. GENERAL

The requested batteries will be connected and used with 48VDC/30A chargers (Batteries charging ability 10A) to ensure the uninterruptible power supply to telecommunication equipments.

The Batteries must be of latest technology and excellent construction quality and they will be installed inside the main buildings of staffed High Voltage IPTO Substations.

2. TECHNICAL CHARACTERISTICS

The offered batteries must comply with IEC 60896-21 and IEC 60896-22 standards. The specific technical requirements are described in Annex A of IEC 60896-22 standard and basic application description information is listed below:

- Battery typeSealed Type, Maintenance Free
- Type of Technology.....AGM, VRLA
- Nominal Voltage.....12VDC
- Nominal Capacity.....92AH in 20H discharge
- Expected Life.....7 years (protection over deep discharge is provided/Battery low voltage disconnect)
- Maximum charging current30A
- Boost Charge
- Factor Efficiency Recycling Internal Gasses...98-99%
- Operating Temperature Range.....0-45°C
- Low Self-Discharge Rate
- Ability of Fast and High Discharge Rate
- Long Life Storage before usage
- Dimensions appr.(mm):360 X 180 X 230 (Width X Depth X Height)

3. INSTRUCTION MANUALS

Technical instructions, Manuals, Installation and Commissioning instructions must be provided for the specific type of the offered batteries.

4. ADD-ON ACCESSORIES

The offered batteries must include all the required connectors and cables (interconnecting cables) to connect the 4 batteries in order to get 48V.

Each delivered package will contain four (4) batteries and the relevant interconnecting cables.

5. TECHNICAL OFFER

The technical offer must be provided in Greek or English language. Each bidder must attach in his offer completed the Annex B of IEC 60896-22, otherwise the offer will be rejected.

6. TESTS

The following tests as acceptance test will be carried out in samples of the offered items in accordance with IEC 60896-22 standard:

- Requirement for discharge capacity performance, §6.11.
- Requirement for recharge behavior (24h).

The samples for the above listed tests will be selected from the offered items by IPTO representative in accordance with ISO 2859-1 standard. The acceptance quality limits are:

- Inspection level S3
- AQL 1

For all the referred tests in IEC 60896-22 standard certificates must be submitted to IPTO by a certified laboratory. In case of missing or not accepted certificates the tests must be carried out without any additional cost for IPTO.

7. WARRANTY

Minimum one (1) year warranty must be provided.