



## Product Overview

The Control Panel for Auto Synchronous Motor–Alternator is designed for laboratory testing, analysis, and demonstration of auto-synchronous motor operation and alternator performance. The panel integrates all necessary measuring instruments, protection devices, and wiring components required for safe and accurate experimentation. Its durable construction with an MS angle frame and high-quality front sheet ensures long service life in industrial training and educational environments.

## Key Features

- Screen-printed schematic diagram for easy circuit understanding
- Starter and Variac with rectifier-type exciter for controlled operation
- Dual AC voltmeters and ammeters for simultaneous measurement
- High-quality MCB protection (3-Pole – 02 units)
- Special nylon-based insulated terminals / **B.T.I-30 terminals (optional)**
- Indication lamps for status monitoring
- Choice of front sheet:
  - **Polycarbonate sheet**
  - **Hylam engraved sheet**
- Fully pre-wired panel mounted on robust MS angle frame
- Suitable for engineering labs, vocational institutes, and electrical machine training setups

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



Export Sales: +91-9829132777  
India Sales: +91-9588842361



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**Technical Specifications**

| Parameter                        | Specification   |
|----------------------------------|---|
| <b>Model</b>                     | Control Panel for Auto Synchronous Motor – Alternator               |
| <b>Panel Type</b>                | Screen-printed Polycarbonate Sheet / <b>Engraved Hylam Sheet</b>    |
| <b>Schematic Diagram</b>         | Printed on front panel  |
| <b>Excitation System</b>         | Starter & Variac – Rectifier type Exciter                           |
| <b>AC Voltmeter</b>              | (0–500 V) × 2 Nos   |
| <b>AC Ammeter</b>                | (0–15 A) × 2 Nos  |
| <b>MCB Protection</b>            | 3-Pole MCB × 2 Nos  |
| <b>Terminal Type</b>             | Special Nylon-based insulated terminals / <b>B.T.I-30 terminals</b> |
| <b>Indication Lamps</b>          | Provided – for status & circuit indication                          |
| <b>Panel Mounting Sheet Size</b> | 1000 mm × 600 mm  |
| <b>Frame Construction</b>        | MS Angle Frame  |
| <b>Overall Dimensions</b>        | Height: 1700 mm (approx.) • Width: 610 mm (approx.)                 |
| <b>Wiring</b>                    | Fully assembled & factory wired                                     |
| <b>Application</b>               | Synchronous Motor–Alternator Test Bench                             |

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