



ANDHRA ELECTRONICS PVT LTD

High power Radial Flux PermaSyn Drive System Test Panel Specifications

This test panel is specifically designed to **High power Radial Flux PermaSyn Motors in no-load conditions**. It offers a versatile testing environment, supporting both **manual and automated testing** based on predefined sequences, user-defined preferences, and debugging needs.

For enhanced safety, the panel integrates crucial features such as:

- **Overvoltage protection**
- **Short-circuit protection**
- **Pre-charge and discharge sequencing**

Communication with the system is facilitated through **inbuilt 1553 and RS-232 interfaces**. The entire system is housed in a **movable rack**, ensuring convenient portability for testing in various locations.

Automated Test Module

The system incorporates an **LCD touch display module** for intuitive user interaction, particularly for operating in **automated mode**. This module provides visual feedback and includes all operational sequences, allowing users to easily select and run tests

Electrical Specifications

The test panel is equipped with several DC power supplies to accommodate various testing requirements:

- **DC Power Supply 1:** Voltage: 400V DC (Max)
 - Current: 20A (Max)
 - Power Capacity: 8KW (Max)
- **DC Power Supply 2:**
 - Voltage: 65V DC (Max)
 - Current: 2A (Max)
 - Power Capacity: 130W (Max)
- **DC Power Supply 3:**
 - Voltage: 28V DC (Max)
 - Current: 2A (Max)
- Power Capacity: 56W (Max)

