



**55504A** is a very versatile training system, has been designed to explain the working of wind energy. The product is designed keeping in mind that a student can understand each block of Trainer in a very easy way. Various test points have been provided so that one can check inputs and outputs of each block contained. That points allow the analysis and monitoring of the voltage in different sections.

### Specifications

#### DC Motor Drive Control panel:

- 2 pole 1Ø 6A MCB of 230 V 50Hz.
- 300V DC Voltmeter & 5A DC Ammeter
- 0-200V Variable Armature Output and Fixed 200V Field Output

#### DC Ammeter panel:

- 3 No's of 0-20A DC Ammeter

#### DC Circuit Breaker panel:

- 3 No's of 1Ø 16A MCB Circuit Breaker.

#### Battery Bank Junction Panel:

- 2 pole 1Ø 16A ELCB Switch.

#### Dump Load panel:

- 0.5oms /100W resistive load.

#### Socket Panel:

- 3 No's of Screw Base Lamp Socket.
- 2 No's of 1Ø AC Electrical Socket.

#### Switch Panel:

- 1 No's of 16A Cam operated rotary Horizontal Switch.
- 1 No's of 16A Cam operated rotary Vertical Switch.
- 2 No's of AC/DC switch.
- 3 No's of Stop (Toggle) Switch

#### Bus Bar & Distribution Panel:

- 12V DC bus bar
- 12V DC Distribution bar

#### Battery Charger Control Panel:

- 3Ø Battery Charger with DC Energy Meter to measure DC parameter of Battery.

#### 3Phase Multifunction Meter

- 1 No's. of 3 Phase Multifunction Meter to measure AC voltage, current, power etc

#### Energy Meter Panel:

- 1Ø AC two wires static kWh Meter with 2 pole 1Ø 16A ELCB Switch.

#### Inverter Panel:

- 900VA pure sine wave Inverter with AC Output Indicator.

#### Battery Panel:

- 12V, 100Ah Tubular Battery for storage.
- Wind Simulator:
- Wind Simulator with DC Shunt Motor and 3Ø Alternator.

#### 3Phase Alternator

- Speed-500 RPM
- Capacity-100 VA
- Voltage-12 V
- Current-8 A
- Frame-90

#### DC SHUNT MOTOR

- Capacity-1 H.P.
- Voltage-200 V
- Current-4 A
- Speed-1500 RPM
- Frame-90
- EXCT 200 V D.C.

Note: Specifications are subject to change.

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