

100kW & 250kW Battery Model Emulator cum Programmable DC Power Supply (Bi-Directional)

- Bi-directional Power cyclers, which acts as batteries
- 800V, 600A, 100/250 kW Battery Source/Sink system for Electric Vehicle Traction system for testing EVs on chassis dynamometer in the laboratory
- Integration and Emulation of Battery Management System (BMS) through Controller Area Network (CAN) bus interface
- Battery emulators facilitates development tasks of performance evaluation and lifetime investigations of electrochemical energy storage systems for electric vehicles. Battery emulator function of the unit enables emulation of different battery chemistries like Lead Acid, Li-ion, etc., during testing at different %SOC levels. System software allows to create battery model or to integrate existing MATLAB model.



100 kW Specifications

- Voltage: 8V - 800V DC
- Current: 600 Amp
- Voltage / Current accuracy: 0.5% FS
- Nominal Capacity: 100kW
- Facility for Battery Emulation.
- External BMS integration and

250 kW Specifications

- Voltage: 8V - 800V DC
- Current: 600 Amp
- Voltage / Current accuracy: 0.5% FS
- Nominal Capacity: 250kW
- Facility for Battery Emulation.
- External BMS integration and