

## EV-XL30 (EV CAR AIR CONDITIONING SYSTEM TRAINER)

### PRODUCT DESCRIPTION

Adopt the original air conditioning system module of BYD E5 pure EV car truly presents the connection control relationship, installation position and operation parameters between the core components of the air conditioning system module. The system can be connected with the battery management system and other systems of the car body to facilitate integrated teaching. Train the students' ability to analyze and deal with the faults of the air conditioning system modules. Product Function



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1. Air-conditioning and refrigeration system: The electric compressor driven by the air conditioning drive draws the gaseous refrigerant from the evaporator, so that the refrigerant is closed circulation flow, and constantly discharge the heat inside the car outside the car, so that the temperature inside the car drops to the appropriate temperature. Real simulation of the air-conditioning refrigeration state of pure

electric vehicles.

2. Warm air heating system: The heating system uses the PTC water heater assembly to heat the coolant, and the different heating water flow direction is controlled through the valve.
3. The 10-inch fault terminal can be used for fault generation, and the number of faults can be more than 10, help student to facilitate troubleshooting exercises
4. The panel adopts advanced aluminium plastic plate with damage resistance, pollution resistance, fire prevention and moisture resistance, and the surface is treated with special process spraying primer; the panel is printed with colour circuit pin definition.

### **SPECIFICATION**

Product size (mm)	1600*1450*1600 (L*W*H)
Conditioning compressor work voltage	≥DC600V
Warm wind module work voltage	≥DC600V
Low voltage work power	DC12V

### **PRODUCT DESCRIPTION**

Condenser, electronic expansion valve, evaporator, air conditioning panel, water pump assembly, PTC heating module assembly, warm air core assembly, movable bench.