

Intelligent Dehumidification Device for Electrical Panels

This intelligent dehumidification device utilizes semiconductor refrigeration technology to remove moisture from the air inside electrical cabinets, preventing condensation. The device continuously condenses moisture from the air onto its condensation plate, then discharges it out of the cabinet, quickly reducing humidity.



ADDITIONAL IMAGES



Product Overview

Intelligent Panel Dehumidification

The DH2-60 series is an advanced semiconductor-based dehumidification device designed to maintain optimal environmental conditions within electrical enclosures. By utilizing active condensation technology, it effectively lowers humidity to safe levels, preventing corrosion and protecting sensitive electrical components. This compact, energy-efficient solution replaces traditional thermostat and heater/fan combinations, offering 24-hour real-time monitoring and remote control capabilities.

Technical Specifications

Rated Voltage	24 V DC
Rated Current	1.8 A
Power Consumption	100 W
Service Life	50000 hours
Ingress Protection Rating	IP20

Operating Environment

Operating Temperature Range	0-50°C
Humidity Range	5-95% RH
Applicable Cabinet Volume	5-10 m ³

Key Features

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- Semiconductor Peltier cooling technology
- Refrigerant-free operation
- 24-hour real-time humidity and temperature sampling
- Automatic and manual dehumidification modes
- Adjustable temperature and humidity start values
- Optional RS-485 remote control and monitoring
- Passive output node for external heater control

Compliance

Certifications

CE, RoHS