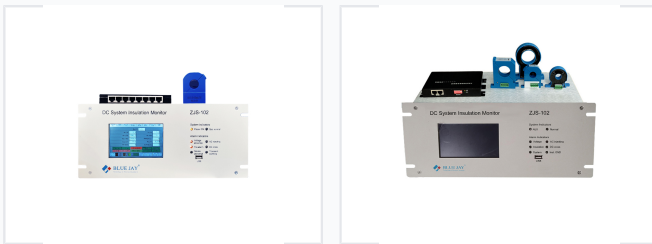


# DC System Insulation Monitor

This device is designed for DC power systems. It detects DC leakage current and provides early warning of insulation faults.



## ADDITIONAL IMAGES



## Product Overview

### Advanced Insulation Monitoring

The ZJS-102 DC System Insulation Monitor provides robust, real-time online monitoring of insulation status for DC bus and branch circuits in critical high-voltage environments. By combining balance and unbalanced bridge detection modes, it effectively mitigates interference from distributed capacitance to ensure accurate fault diagnosis. Designed for high reliability, it supports comprehensive data logging and remote communication, making it an essential component for power substations, UPS systems, and industrial automation.

## Key Features

### Applications

Substations, UPS Systems, Solar Power, EV Charging, DC Speed Regulating, Battery Banks

## Performance Metrics

### System Capabilities

**240 circuits**

Max Branch Circuits

**2000 events**

History Records

**0.5 %**

Voltage Monitoring Error

## Technical Specifications

### Operating Voltage Ranges

Parameter	Range
Positive pole to ground	0-300V
Negative pole to ground	0-300V
System voltage	0-300V
AC injection voltage	0-280V

### Insulation Resistance Thresholds

- Earth alarm: 0-50K Ohm
- Pre-warning: 50-300K Ohm

### Communication Interfaces

RS485 • Ethernet (Optional) • USB