

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
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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