

Multi-Channel DC Energy Meter

The DCEM is a multi-channel DC energy meter designed for accurate measurement of DC voltage and current. It features multiple input channels for voltage and current transformers, allowing for comprehensive energy monitoring.



Overview

High-Performance Multi-Channel DC Metering

This multi-channel DC energy meter is a versatile terminal device designed for precise monitoring of electrical parameters in DC systems. It supports up to 4 channels of metering, allowing for comprehensive data collection including voltage, current, power, and accumulated energy. With built-in RS-485 communication and MODBUS-RTU protocol support, it integrates seamlessly into monitoring centers for industrial, solar, and telecommunication applications.

Performance & Measurement

Key Electrical Metrics

2000 V

Withstand Voltage

31 days

Data Record Capacity

Accuracy Class 0.5

Max Metering Channels 4

Connectivity & Interface

Optional I/O

- 2 Digital Outputs (DO)
- 4 Digital Inputs (DI)
- 1 Energy pulse output

Communication Interface RS-485, MODBUS-RTU

Technical Specifications

Power Supply Range 85~265V DC/AC

Mounting 35mm Din-rail

Applications

Suitable Applications

Solar PV Arrays • UPS Systems • Telecommunications • Data Centers • Industrial Mining • EV Charging