

# 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