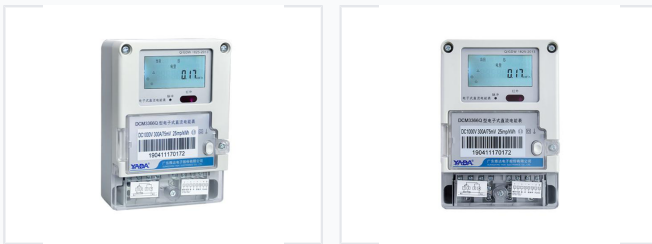


Electronic DC Energy Meter

The electronic DC energy meter utilizes an LCD display and RS485 communication for efficient data transmission. It accurately measures DC signals and energy consumption in batteries, solar panels, and industrial DC systems.



ADDITIONAL IMAGES



Overview

High-Precision DC Energy Metering

The DCM3366Q is a professional-grade electronic DC energy meter designed for accurate measurement and monitoring in modern DC power systems. It features an intuitive LCD display and robust data processing capabilities, making it ideal for batteries, solar panels, and industrial distribution networks. Built for longevity and reliability, this meter ensures high precision and data integrity even during power outages.

Key Features

Key Features

- High precision measurement
- Compact design for easy installation
- High isolation voltage for enhanced security
- Cumulative energy tracking for the last 12 months
- LCD screen with intuitive interface
- Data retention during power-off
- Forward and reverse energy measurement

Typical Applications

Applications

DC Energy Management, Solar PV Arrays, Industrial Automation, Telecommunications, Data Centers, Electric Vehicle (EV) Systems, Battery Monitoring

Electrical Specifications

Power Consumption

1 W

Voltage Line

0.5 W

Current Line

2 W

Power Supply Line

Dimensions

160mm x 112mm x 58mm

Communication & Data

Communication Interface

Parameter	Specification
Interface	RS485
Baud Rate	1200/2400/4800/9600/19200 bps
Data Format	O/E/N-8-1
Protocol	DL/T645-2007, Modbus-RTU

Environmental & Safety

Environmental Limits

Condition	Range
Operating Temperature	-25°C to 60°C
Storage Temperature	-40°C to 70°C
Relative Humidity	<75% (Annual Average)

EMC & Protection

- Insulation Strength: 2.0kV/min
- ESD: 8kV Contact / 15kV Air
- Fast Pulse Group Immunity: 2kV
- Surge Immunity: 2kV/4kV