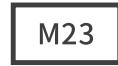




ABLEWISE
Make Energy Usage Wiser



DC Energy Meter

DC Energy Meters are designed for DC vehicle charging and energy storage devices with a high accuracy 0.5S.

It can direct access to 1500V. The wide temperature measurement ranges from -40 to 75°C. It uses internal integrated current sensors and insulation monitoring module technology. It provides a reliable solution for system.

APPLICATIONS

- DC Vehicle Charging
- Energy Storage
- Solar PV
- DC Power Distribution



CD560

DC Energy Meter

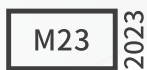
Directly Connected to 1500 V DC

Shunt: $\pm 50 \text{ mV} / \pm 75 \text{ mV}$

Hall Effect Sensor: $0 \sim \pm 5 \text{ V} / 0 \sim \pm 4 \text{ V}$

Wide Temperature Range: $-40^\circ\text{C} \sim 70^\circ\text{C}$

IEC 62053-41: 0.5 Energy Accuracy



HIGH ACCURACY MEASUREMENT

- EN 50470: Cl.C (0.5); IEC 62053-41: 0.5 and ANSI C12.32: Cl.C (0.5) Energy Accuracy
- 0.2% Accuracy on Voltage and Current

ENERGY

- Bi-Directional Energy
- Dual Circuits Energy Monitor
- Energy Record

REDUCE ELECTRICITY THEFT DESIGN

- Terminal Cover Sealing
- Metrology Seal

DEMAND

- Power and Current Demand
- Peak Demand Record

HIGH PERFORMANCE

- Cost-Effective
- Directly Connected to 1500 V DC
- Wide Temperature Range: $-40^\circ\text{C} \sim 70^\circ\text{C}$

CERTIFICATION

- CE
- UL
- MID

TIME OF USE (TOU)

- Four Tariffs, 12 Seasons, 14 Schedules
- Two TOU Settings can Automatically Switch at the Setting Time
- 12 Monthly TOU Energy Record

CD570

DC Energy Meter

Directly Connected to 1000 V DC

Direct Connection (Built-In Shunt): 600 A, 400 A, 250 A

Wide Temperature Range: -40 °C~70 °C

IEC 62053-41: 0.5 Energy Accuracy (Include Shunt)



HIGH ACCURACY MEASUREMENT

- EN 50470: Cl.C (0.5), IEC 62053-41: 0.5 and ANSI C12.32:Cl.C (0.5) Energy Accuracy (Include Shunt)
- 0.2% Accuracy on Voltage and Current

RECORD

- 12 Monthly Energy Record
- Event Record
- Alarm Record
- Transaction Energy Counter can be Recorded

ALARMS

- Over or Under Setting Limit
- Voltage, Current, Voltage Ripple, Current Ripple, Temperature can Trigger Alarm

ENERGY

- Bi-Directional Energy
- Dual Circuits Energy Monitor
- TOU, Four Tariffs, 12 Seasons, 14 Schedules

HIGH PERFORMANCE

- Cable Loss Compensation
- Direct Connection (Built-In Shunt): 600 A, 400 A, 250 A
- Directly Connected to 1000 V DC
- Wide Temperature Range: -40 °C ~ 70 °C
- Built-In Insulate Measurement Function

CERTIFICATION

- CE
- MID

CD540

DC Smart Power and Energy Meter

Directly Connected to 1000 V DC
Shunt : $\pm 50 \text{ mV}/\pm 75 \text{ mV}$
Hall Effect Sensor : $0 \sim \pm 5 \text{ V}/0 \sim \pm 4 \text{ V}$
IEC 62053-41: 0.5 Energy Accuracy



HIGH PERFORMANCE

- Cost-Effective
- Compact Design, Convenient Wiring
- Large LCD, White Backlight, Easy Reading
- 0.2% Accuracy on Voltage and Current

ENERGY

- Bi-Directional Energy
- EN 50470: Cl.C (0.5), IEC 62053-41: 0.5 and ANSI C12.32:Cl.C (0.5) Energy Accuracy

COMMUNICATION

- Modbus RTU via RS485 Port
- Support Connect to SCADA, PLC or Other External Systems

DISPLAY

- LCD Display, White Backlight
- View Metering Parameters

DATA LOGGING

- Historical Log Available in 4 MB
- Record Metering Parameters with Time Stamp
- Parameter Sources: Voltage, Current, Power, Energy, Ampere-Hour

STATISTIC/ALARM

- Max/Min Values with Time Stamp
- Over/Under Limit Alarm

I/O FUNCTIONS

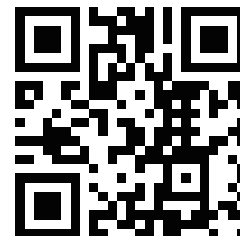
- Digital Input: Monitor Switch Status
- Relay Output: Relay Command Control Output ON/OFF; Limit Alarm Control Output

Ablewise

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