# 06 Smart Power

Leading the power sector with expertise in smart terminals, specialized energy software, system integration, manufacturing, and field services—ranking among the top domestically and advancing to world-class standards.

## Low-Voltage Line Protection & Measurement-Control Device

The device ensures equipment & personnel safety in industrial, construction, transportation scenarios and reduces electrical fire/electric shock risks via precise protection (short circuit, leakage), intelligent control (communication linkage, remote management) and energy efficiency optimization (harmonic analysis).



**Scope of Application**

Suitable for industrial manufacturing, construction & commercial facilities, transportation and other fields.

## Low-Voltage Motor Protection Controller

Widely used in industrial manufacturing, energy-heavy industry, buildings, new energy and transportation, it prevents abnormal motor damage and cuts maintenance costs via multiple protections (overload, short circuit, phase failure). Its anti-voltage fluctuation and fast fault response reduce shutdown losses and ensure stable operation of high-value lines (e.g., semiconductor manufacturing).

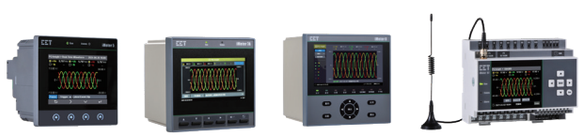


**Scope of Application**

Suitable for industrial manufacturing, construction & commercial facilities, transportation and other fields.

## Online Power Quality Monitoring Device

It monitors Class A/S power quality (steady-state/transient indicators), captures power system anomalies, alarms over-limits, provides fault recording & event logs for analysis. It has passed EU CE, UL and FCC certifications.



**Scope of Application**

Suitable for power, railway, industrial and mining enterprises, satellite launch centers, semiconductor factories, data centers, etc.

## Hand-Held Power Quality Analyzer

It monitors Class A power quality (steady-state/transient indicators), captures power system anomalies, alarms over-limits, provides fault recording & event logs for analysis.



**Scope of Application**

Suitable for digital substations, conventional substations, PV plants, wind farms, etc.

## Insulation Monitor, Fault Locator, Signal Generator

These three products are used in IT power systems of photovoltaic/storage systems, mines, nuclear power plants, offshore oil platforms, ships, radar stations, data centers to monitor system integrity.



## Medical Alarm Display, Medical Insulation Monitor, Medical Fault Locator, Isolation Transformer, Current Transformer Group, Power Module, Load Current Transformer

Mainly applied in medical Group 2 locations (operating rooms, ICU/CCU), preventing patient risks from weak leakage or power outages of medical equipment, and providing safe, reliable, continuous power for IT power systems.



## Self-Powered Protection Relay

Powered by conventional current transformers, it is ideal for scenarios without external auxiliary power but requiring microprocessor protection, replacing the traditional fuse + load switch mode.



**Scope of Application**

Mainly applied in ring main units.

## Protection and Control Device

Features complete functions (inrush current blocking, instantaneous protection, time-limited instantaneous protection, overcurrent protection, overload protection, inverse-time overcurrent protection), mainly applied in incoming line, distribution transformer and feeder protection.



**Scope of Application**

Mainly suitable for switchgear stations, distribution stations, gas-insulated switchgear, ring main units below 35kV voltage level.

## Universal Protection Relay

Complete functions including distribution transformer protection, asynchronous motor protection, capacitor protection, busbar sectioning protection, and feeder protection.



**Scope of Application**

Suitable for switchgear stations, distribution stations, gas-insulated switchgear, ring main units below 35kV voltage level.

## Bus-tie Protection Relay and Automatic Transfer Device

Supports sectioning and line modes per application, with automatic main/backup power switching, fault isolation, control, measurement and metering functions.



**Scope of Application**

Suitable for power systems, industrial manufacturing, rail transit, new energy, petrochemicals, etc.

## Smart Programmable Logic Control Device

Integrates current/voltage acquisition and digital I/O, with programmable logic. It is used for complex automatic transfer switches, intelligent load shedding in large distribution centers, regional fault diagnosis/isolation, isolated network power supply, and other complex power control scenarios.





**Scope of Application**

Suitable for industrial and building power distribution projects requiring complex logic customization, non-standard automatic transfer switches, and complex power/load switching.

## Intelligent Gateway

As a power IoT edge communication hub, it enables terminal device sensing, fast access, large-capacity storage, edge computing, protocol conversion, encrypted cloud upload, remote debugging and maintenance, providing secure, reliable and efficient data transmission




### Scope of Application

Widely used in new energy, integrated energy management, industrial enterprises, buildings, municipal engineering, industrial parks, power operation and maintenance, substation renovation, and box-type substations.

## Ethernet Serial / Lora Gateway

Industrial-grade design with DIN rail mounting, 2P width, compact size, easy installation, simple functionality, and high cost-effectiveness. It connects serial port control devices to Ethernet for fast and efficient network sharing.






### Scope of Application

Suitable for industrial-grade projects requiring flexible data transmission, such as industrial enterprises, buildings, cabinet factories, and box-type substations.

## Communications Gateway

Features high real-time performance and reliability. As a bridge between field devices and control stations, its protocol conversion collects real-time data from intelligent devices via different protocols, aggregates/processes communication info and forwards data accordingly.




### Scope of Application

Widely applied in power, building, chemical, urban utility tunnels, tunnels and other industries, adopted by most system integrators, automation companies, and research institutes.

## Industrial Ethernet Switch

Enables mutual conversion between Ethernet and single-mode/multi-mode fiber optic communications. It is also used for data switching with multiple Ethernet ports without network management functions.



### Scope of Application

Applied in industrial control, traffic control, remote terminals, security systems, communication distance extension, confidential communication, highway toll systems, distributed data acquisition systems, and power system acquisition and control systems.

## Measurement and Control Device

Suitable for substation automation systems above 35kV, used for lines, bus couplers, main transformers, busbars, auxiliary systems to achieve measurement, control and communication functions.



**Scope of Application**

Suitable for industrial and building power distribution systems. It fulfills functions like current/voltage acquisition and digital I/O when required.

## Bus-Section Protection, Measurement and Control with Automatic Transfer Device

Features automatic main/backup power switching, fault isolation, equipment status monitoring, control, measurement, and metering functions.



**Scope of Application**

Suitable for power systems, industrial manufacturing, rail transit, new energy, petrochemicals, etc.

## Motor Protection and Control Device

Features fault isolation, equipment status monitoring, control functions, measurement functions, metering functions, etc.



**Scope of Application**

Suitable for power systems, industrial manufacturing, rail transit, new energy, petrochemicals, etc.

## Box Transformer Protection and Control Device

The product protects and remotely monitors box transformers and intelligent devices, fully enabling "remote signaling, measurement, control and adjustment" for wind/photovoltaic box transformers.



**Scope of Application**

Suitable for new energy scenarios such as photovoltaic, wind power, energy storage, etc.



## Three-Phase Digital Multifunction Measurement & Control Meter

Large dot-matrix LCD for detailed display, easy parameter setting and operation. Has US UL, EU CE and North American FCC certifications, exported to the US, EU and Southeast Asia. Three-phase digital multifunction power meters have wide applications.

**Scope of Application**

Can be used in smart building electricity, industrial power management systems and energy efficiency management systems.



## Three-Phase Smart Meter (Direct Connection Type)

Complies with IEC international standards, supports global mainstream communication protocols. Modular design reduces deployment and maintenance costs. Anti-tampering + industrial-grade protection, suitable for 75 ℃ working environment, reliable in harsh conditions.



**Scope of Application**

Supports bidirectional energy metering, suitable for power companies, industrial manufacturing, commercial buildings, renewable energy projects, etc.

## Single-Phase DIN Rail Energy Meter

Small size, high cost-effectiveness, with data logging. Has EU CE, MID and Australian NMI certifications.



**Scope of Application**

Single-phase DIN rail energy meters are widely used in smart building electricity, industrial power management systems and energy efficiency management systems.

## Three-Phase DIN Rail Energy Meter

Small size, rich functions, high cost-effectiveness, with data logging. Has EU CE, MID and Australian NMI certifications.



**Scope of Application**

Three-phase DIN rail energy meters are widely used in smart building electricity, distributed wireless IoT energy management systems, industrial power management systems and energy efficiency management systems.

## Three-Phase DIN Rail Smart Energy Efficiency Collection Terminal

Has UL and CE certifications, meets EMC requirements for power meters, and operates stably in complex EMC environments.



**Scope of Application**

Widely used in new energy storage, smart building electricity, industrial power management systems and energy efficiency management systems.

## DIN Rail DC Power Meter




Features LCD display, accurate energy billing, meets EMC requirements for DC power meters, and operates stably in complex EMC environments.

**Scope of Application**

Widely used in DC charging piles, energy storage, photovoltaic industry and other scenarios.

## Multi-Circuit AC Monitoring Unit




An economical compact DIN rail-mounted multi-circuit monitor with small size, intuitive display, easy installation, rich functions, high cost-effectiveness and EU CE certification.

**Scope of Application**

Ideal for high-density metering applications like data centers, telecom base stations, industrial and commercial buildings.

## Multi-Circuit Smart Monitoring Unit



Uses large dot-matrix LCD for detailed display, easy parameter setting and operation, meets EMC requirements for power meters, and operates stably in complex EMC environments.

**Scope of Application**

Widely used in data center operator rooms, intelligent busbar plug-in boxes, etc.

## Precision Power Distribution Monitoring Unit




An ideal solution for multi-circuit monitoring of PDUs, LVDBs and load centers. Its compact metal housing suits high-density metering scenarios.

**Scope of Application**

Suitable for data center PDUs, cleanroom LVDBs, load center monitoring, ring main unit metering, low-voltage high-density multi-circuit monitoring in commercial and residential areas.

## DC Multifunction Power Meter




Has practical functions, high cost-effectiveness, a square LCD design and embedded panel mounting. It is a key part of intelligent multi-functional monitoring for any DC power and energy management system.

**Scope of Application**

Widely used in industrial, commercial and utility DC power supply systems.