

HELLO

HELLO

HELLO

WHO

WE ARE

Kingnen, established in 2014, is a Chinese manufacturer dedicated to intelligent measurement. We specialize in energy meters, Modbus gateway and multi-circuit power monitoring system.

KINGNEN TECHNOLOGY

WHAT WE DO



Developing

- *20 years of developing experience*
- *OEM & ODM service*



Producing

- *20 years of producing experience*
- *3000 square meters of factory*



Marketing

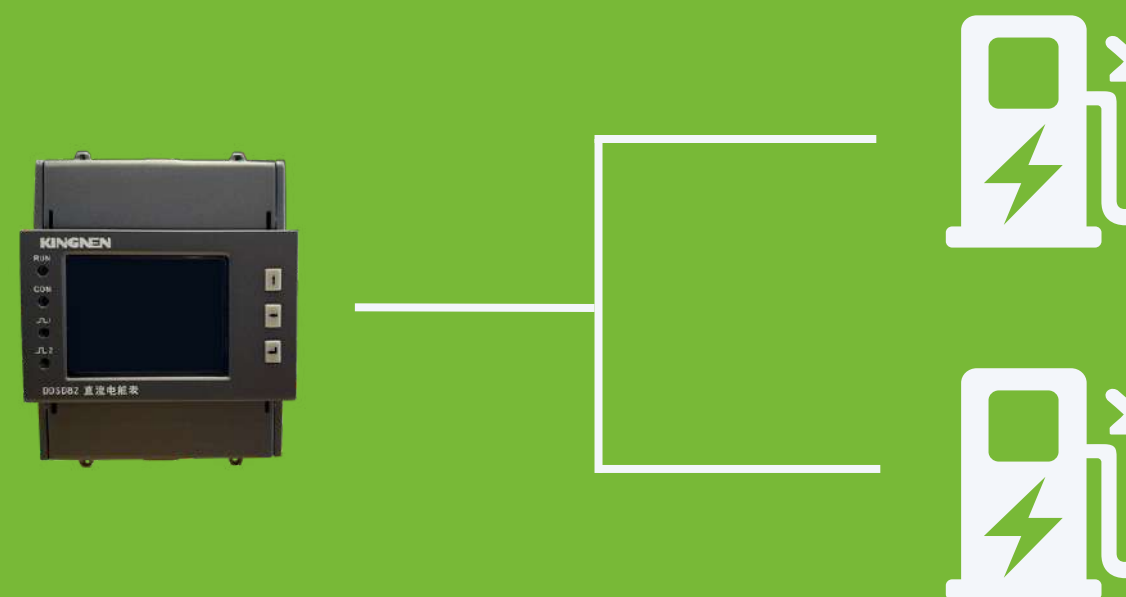
- *Supplying to Global 500*
- *Exported to more than 70 countries*

OUR PRODUCT



KINGNEN TECHNOLOGY

DIN Rail DC Meter for EV Charger



- *4 Pins 2 Channels DC meter, supports metering of 2 EV chargers' circuits*
- *Inbuilt voltage output to provide power supply to the 2 sets of DC sensor*
- *PV system, Energy storage system, EV station*

SPECS &

FUNCTIONS



KINGNEN TECHNOLOGY

DIN Rail DC Meter for EV Charger

Instantaneous true RMS	U, I, P
Maximum/minimum	U, I, P
Demand & peak demand	I, P
Electrical energy	Import/Export kWh, kvarh & Month-end kWh
Multi-tariff	8 billing periods, 4 rates can be set
Alarm	8 limit alarm channels 4 logical alarm channels
Event logging	100 SOE event records

SPECS &

FUNCTIONS



KINGNEN TECHNOLOGY

DIN rail DC meter for EV charger

System	DC
Measuring circuits	1 or 2(optional)
Accuracy level	Class 0.5(shunt accessed), Class 1.0(hall sensor accessed)
Input voltage	DC 0-1000V
Input current	Shunt: 5A-1000A/75mV Hall sensor: 5A-3000A/0-20mA, 4-20mA, 0-4V, 0-5V, 0-10V, 0-100mA
Switching IO	2 DI & 2 DO (optional)
Power supply	85-265 VAC/45-65Hz 9-36 VDC(optional)

OUR PRODUCT

3-phase DIN Rail Multifunctional Energy Meter with RS 485 Interface



- *Bi-directional measurement, power quality analyzing, multi-tariff, temperature sampling input optional*
- *Industrial, commercial and utility substation metering*
- *Energy management and power quality monitoring*

KINGNEN TECHNOLOGY

SPECS &

FUNCTIONS

3-phase DIN Rail Multifunctional Energy Meter with RS 485 Interface



KINGNEN TECHNOLOGY

Instantaneous true RMS	U, I, P, Q, S, PF, F
Maximum/minimum	U, I, P, Q, S, PF, F, THD U&I
Demand & peak demand	I, P, Q, S
Electrical energy	Import/Export kWh, kvarh & kVAh, Month-end kWh
Power quality	THD U&I, 31st Harmonics, CF, K factor
Multi-tariff	8 billing periods, 4 rates can be set
Alarm	8 limit alarm channels 4 logical alarm channels
Event logging	100 SOE event records

SPECS &

FUNCTIONS

3-phase DIN Rail Multifunctional Energy Meter with RS 485 Interface



KINGNEN TECHNOLOGY

System	3P3W/3P4W
Accuracy	U, I: 0.2%FS, P: 0.5S, F: 45-65Hz, 0.2% kWh: 0.5S, kvarh: 2.0S
Input voltage	3×57.7/100V, 3×220/380V (3P3W) 3×100V, 3×380V (3P4W)
Input current	3×1(6)A, 3×10(80)A or CT accessed
Switching IO	4 DI, 1 DO, 8 temp. sampling input(optional)
Pulse output	1 default PPS, 1 active optocoupler output, 1 reactive optocoupler output
Power supply	50-450 VAC/45-65Hz(3P voltage) 85-265 VAC/45-65Hz(Aux.AC) 9-36 VDC(Aux.DC) (3 options)

OUR PRODUCT

Multi-circuit Power Monitoring System



KINGNEN TECHNOLOGY

- *Multi-circuit monitoring (modules cascade)*
- *Dual (DC+AC) system measurement*
- *Imbalance and power quality calculating*
- *Remote data accessed, PC & phone*
- *Plug & Play, uninterruptible installation*
- *Space and cost saving, brick design and rail-mounted*
- *UL certified, CE compliant*

DETAILS

Multi-circuit Power Monitoring System

EngyBrick system has kinds of variants in order to satisfy different customers' requirements.

Therefore, EngyBrick can applied in many scenarios, such as PV energy storage system, pump system, LV switchgear, manufacturing plant and public utilities.



CASES

Multi-circuit Power Monitoring System

*The version on the right side is designed for a specific **Global 500** company. They applied **EngyBrick** to their energy storage system, which requires monitoring the AC & DC sides simultaneously and monitoring a few DC & AC parameters.*



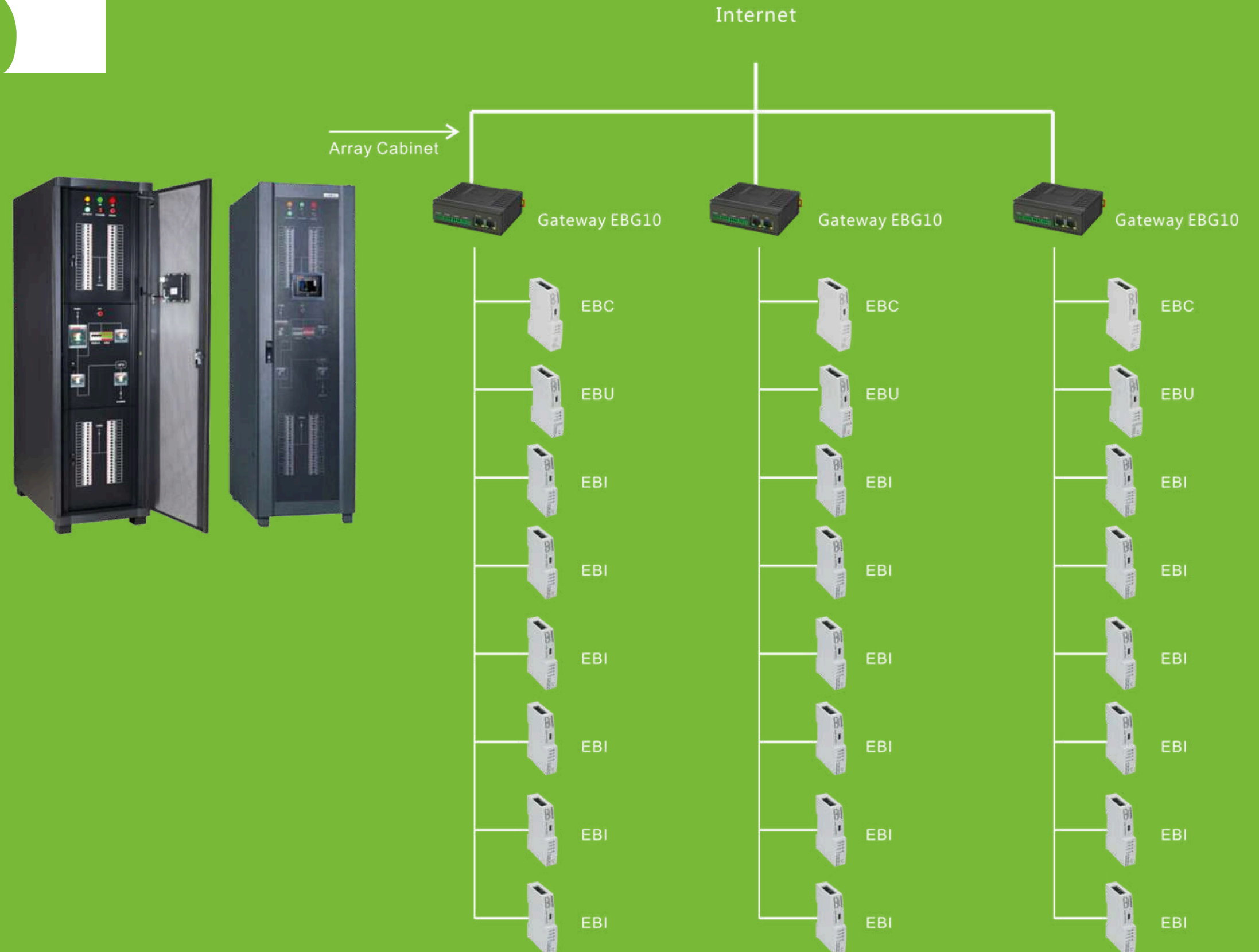
*The system can be integrated into **SCADA** platform to check **more parameters** like THD U & I through its uplink communication interface.*



SOLUTIONS

Multi-circuit Power Monitoring System

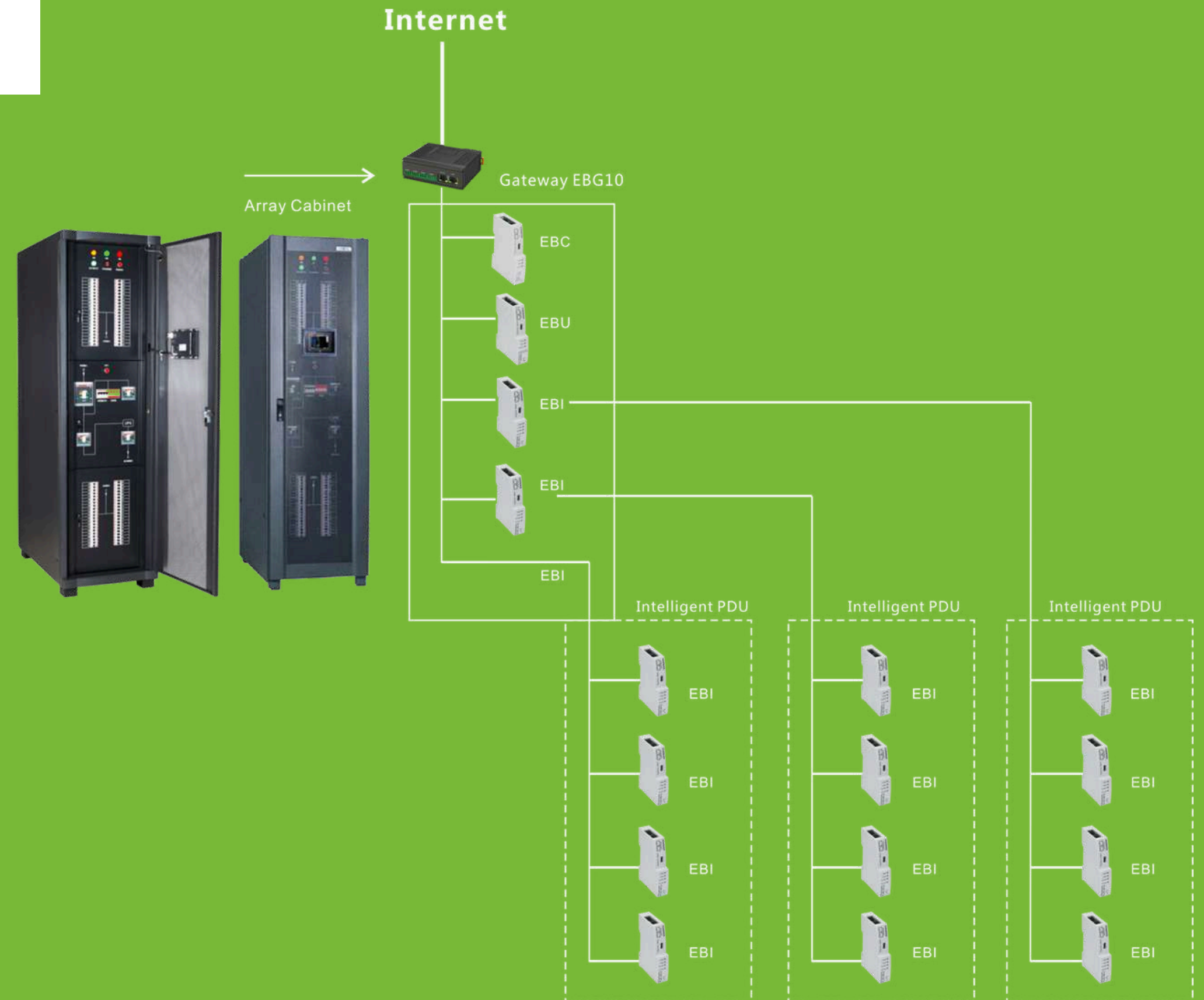
- *Distributed collecting modules of voltage & current, flexible to meet the monitoring needs*
- *Customized 'plug&play' wire, no need to make extra wire when installing*
- *1 circuit group includes 1 EBC module, 1 EBU module and several EBI modules.*
- *Each array cabinet can install 1 circuit group or multi-circuit group.*
- *EBG gateway can connect 4 circuit groups at most. And carry out the energy analysis of all slave circuit groups, upload the data to the top server. (Like cloud database)*



SOLUTIONS

Multi-circuit Power Monitoring System

- *Completely independent measuring loop, much easier expansion, much more convenient maintenance*
- *Data management analysis is much more complete and professional.*



SOLUTIONS

Multi-circuit Power Monitoring System

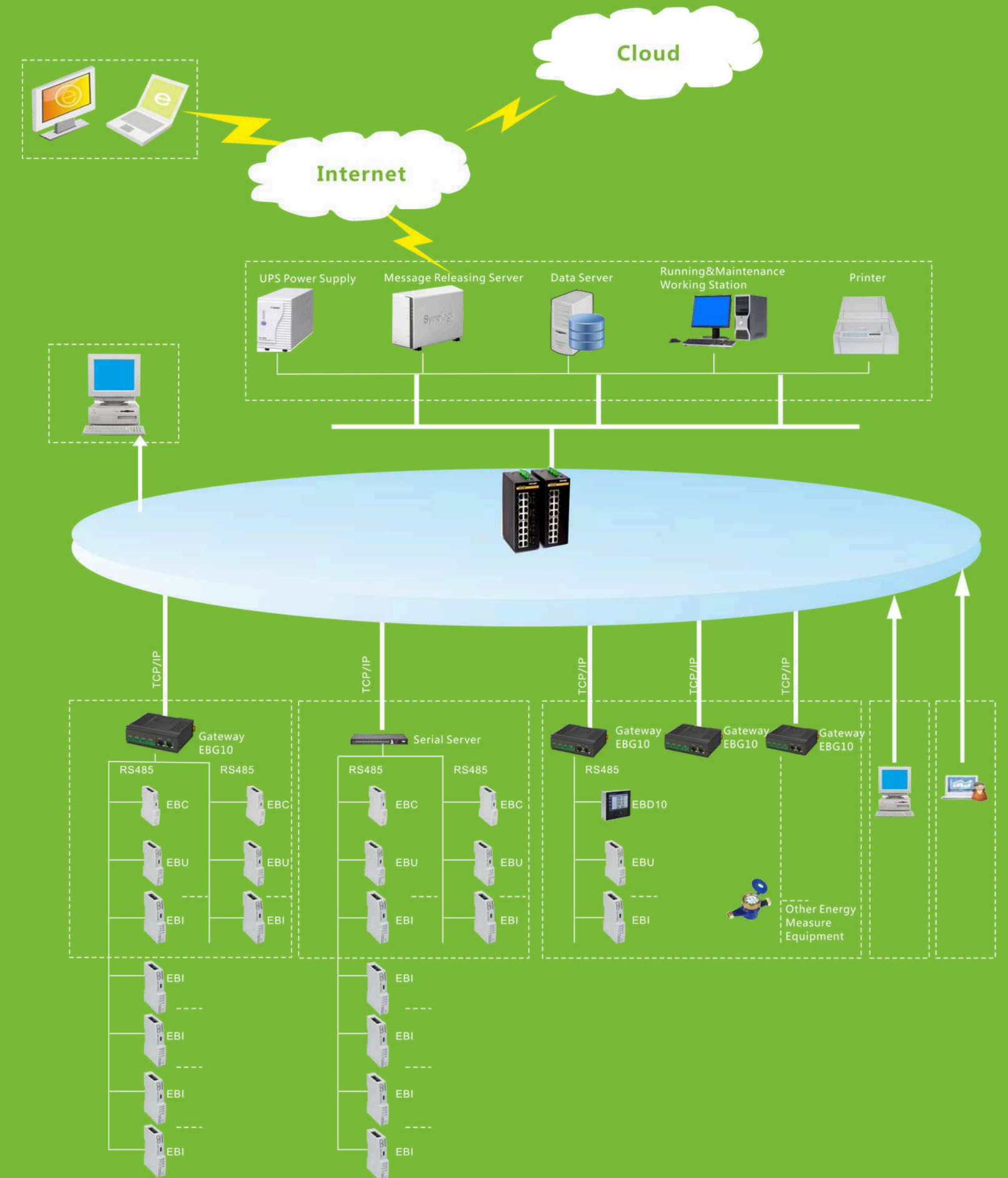
Application

High energy consumption industry, industrial park, commercial building, public infrastructure and data center

Main features

B/S user interaction mode, public cloud services support, centralized management in multiple locations

KINGNEN TECHNOLOGY



OUR PRODUCT

PMC Series Multifunction Meter



KINGNEN TECHNOLOGY



- *Industrial, commercial and utility substation metering*
- *Sub-metering and cost allocation*
- *Energy management and power quality monitoring*

SPECS &

FUNCTIONS



KINGNEN TECHNOLOGY

PMC Series Multifunction Meter

Common functions	
Instantaneous true RMS	U, I, P, Q, S, PF, F
Maximum/minimum	U, I, P, Q, S, PF, F, THD U&I
Demand & peak demand	I, P, Q, S
Electrical energy	Import/Export kWh, kvarh & kVAh, Month-end kWh
Power quality	THD U&I, 31st Harmonics, CF, K factor
Multi-tariff	8 billing periods, 4 rates can be set
Alarm	8 limit alarm channels 4 logical alarm channels

SPECS &

FUNCTIONS



KINGNEN TECHNOLOGY

PMC Series Multifunction Meter

Common specifications	
System	3P3W/3P4W
Sample rate	128 samples per cycle
Accuracy	U, I: 0.2%FS; P: 0.5S; F: 45-65Hz, 0.001Hz; kWh: 0.5S; kvarh: 1.0S
Input voltage	3×57.7/100V(PT accessed), 3×220/380V (Direct accessed)
Input current	3×1(5)A (CT accessed)
Event logging	100 SOE event records

SPECS & FUNCTIONS



KINGNEN TECHNOLOGY

PMC Series Multifunction Meter

Different specifications				
Apperance				
Code	PMC72S	PMC96S	PMC180N-S	PMC200S
Dimension (unit: mm)	75*75*113	96*96*72	110*80*75	96*96*72
Power supply	85-264 VAC/45-65Hz 100-375 VDC			100-240 VAC /45-65Hz 100-375 VDC
Optional features				
DI & DO	2 & 1	2 & 2	1 & none	4 & 2
AI & AO	1 channel AI: 4-20mA DC, 0-5V DC AO: 4-20mA DC	2 channels* AI: 4-20mA DC, 0-5V DC AO: 4-20mA DC	1 channel* AI: 4-20mA DC, 0-5V DC AO: 4-20mA DC	2 channels AI: 4-20mA DC, 0-5V DC AO: 4-20mA DC

Note : The first analog terminal (A1 port) is multiplexed with DI port. Choose one of the two.

WHY CHOOSE US

Experienced Manufacturer

24 years of experience in developing, producing metering instruments, a mature development team help you to achieve your goal

Production Line

1500 square meters of office and 3000 square meters of factory located in Shenzhen, China, ensuring efficient delivery

Personalised Service

Professional OEM&ODM, providing customized service and design according to your project condition



THANK YOU

THANK YOU

THANK YOU