YTL

SMART METER CREATOR

www.ytl-e.com

Company
Profile
from 2000

Over 350 workers, 150 professional engineers.
75000m^2 workshop, 10 Million yearly output
23 years experience in market
ISO9001, CE, KEMA, UL, RoHS, MID ,
DLEMS, IDIS certificated
Good location ,convenient transportation
with 2 hours reach Shanghai air/Sea port.

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About YTL Metering

Mission

"Make power measurement and control more convenient"

Company Spirit

"Innovation, Trustworthiness, Cooperation, Efficiency"

Established in 2000, Zhejiang Yongtailong Electronic Co., Ltd., has been focusing on the R&D and manufacturing of energy meters, and products export to more than 60 countries and regions.

R&D Capability

01 Adhere to the product leading strategy

02 Sales continue to grow at an annual rate of 20%

03 More than 60 new product projects per year

04 We have more than 500 patents in total

05 Equipped with CNAS lab

浙江永泰隆电子股份有限公司实验中心
The Experiment Center of Zhejiang Yongtailong Electronic Co.,Ltd.

ilac-MRA CNAS

中国认可
国际互认
检测
TESTING
CNAS L12672

中国合格评定国家认可委员会
China National Accreditation Service for Conformity Assessment

Certification

ISO
System Certification
ISO9001, ISO14001

V
Verified Member
IDIS, STS association

★★★★
Product Certification
UL, MID, KEMA, DLMS, CPA

Purpose

"We are constantly committed to researching, developing and promoting innovative products with unique value to create value for our customers"

Production Capacity

* Annual production capacity of 10 million units
* We have our own automation equipment department, to customize automated information assembly line

Din Rail Meter
Series

EV charger

BYD Auto sells more than 250K EV&PHEV per month, Tesla also sells more than 80K EV per month. Which means the EV charger market will keep booming as well.

Products : DEM1 series, DEM4A series, DEM2 series for DC metering

Products

DEM1 series:

·DEM1A series:
230V,100A,50/60Hz
·DEM1E series:
230V,45A,50Hz

SO+RS485 MODBUS /DLT645 dual protocol, Multi-tariff function, with different measurements way

DEM4A series:

·DEM4A series:
3X230(400)V
0,5-10(100)A
50Hz

IR+RS485 MODBUS/ DLT645 dual protocol+ 1 SO output+ 1 Signal input port+ Multi-tariff function, with different measurements

DEM2D series:

·DEM2D series:
DC 5V~1000V
Shunt connection method, the primary side current supportsup to 2000A
Connection signal :75mV

RS485 MODBUS /DLT645 dual protocol Auxiliary power supply AC/DC,with Battery, with tariff ,with relay

Din Rail Meter
Series

Reneable energy

In the next 8 years, green renewable energy will become mainstream and the solar industry will see explosive growth

Products : DDS353 series, DEM1 series, DEM2I series, DEM4A series, DEM2 series for DC metering

Products

Bi-directional metering

DDS353/DEM1 series

CT type

DEM2I series

200ms refresh rate

DEM4A series

DC metering

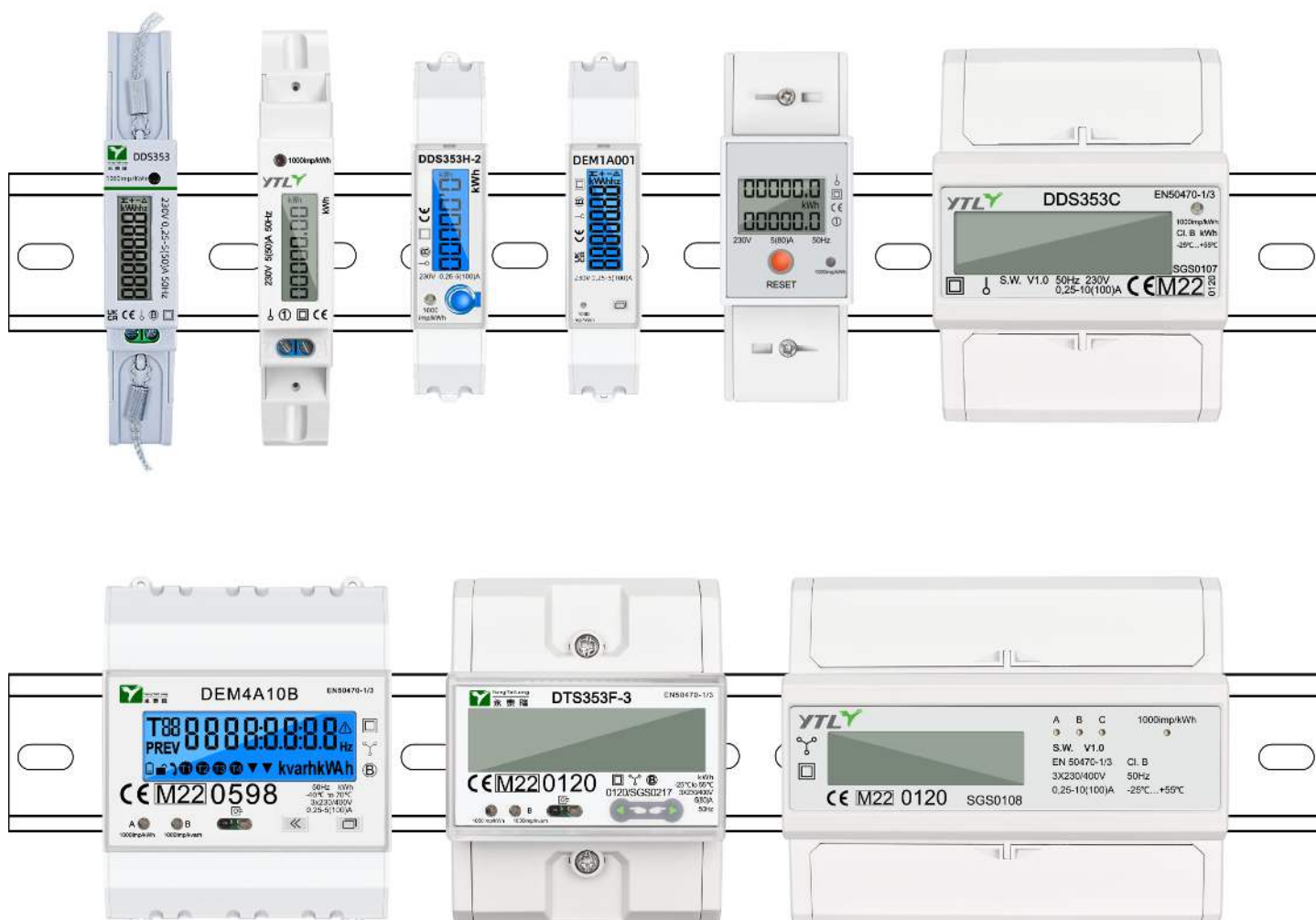**DEM2D series**

Din Rail Meter
Series

MID certified

For European market we mainly focus on the din-rail series with 8 series, nearly 20 categories, and more than 400 varieties of electric energy meters.

Products : DDS353 series,DDS353J series, DDS353H series, DEM1 series, DDS353L series, DDS353C series,
DEM4A series, DTS353F series, DTS353 series

Products

DDS353 *(MID)*

AC IP

The DDS353 Series Digital Power Meter works directly connected to a maximum load 50A AC circuit.
This meter has been MID B&D Certified by SGS UK, proving both it's accuracy and quality. This certification allows this model to be used for any sub-billing applications.

Application	Household, Industry

⚙ *Technical Parameters*

Standard:	EN50470-1/3
Rated Voltage:	230V
Rated Current:	0,25-5(50)A
Impulse Constant:	1000 imp/kWh
Frequency:	50Hz/60Hz
Accuracy Class:	B
LCD Display:	LCD 5+2
Working Temperature:	-25 ～ 55℃
Power Consumption:	<10VA <1W
Average Humidity:	75%
Maximum Humidity:	95%
Start Current:	0.004Ib
Meter Dimensions:	116mm X 18mm X 63 mm

▦ *Functions*

DDS353	Basic version with import+export measurement
DDS353F	Import energy measurement only
DDS353F+R	Bi-directional measurement with total energy equal to import+export
DDS353F-R	Bi-directional measurement with total energy equal to import-export
DDS353AI	With import+export measurement ,meanwhile support Instantaneous parameter measurement
DDS353FI	With import only measurement ,meanwhile support Instantaneous parameter measurement
DDS353F+R+I	Bi-directional measurement with total energy equal to import+export, meanwhile support Instantaneous parameter measurement
DDS353F-R-I	Bi-directional measurement with total energy equal to import-export meanwhile support Instantaneous parameter measurement

DEM1A *(MID)*
DEM1E *(NO MID)*

AC IP 2W

The DEM1A Series Digital Power Meter works directly connected to a maximum load 100A AC circuit.

The DEM1E Series Digital Power Meter works directly connected to a maximum load 45A AC circuit.
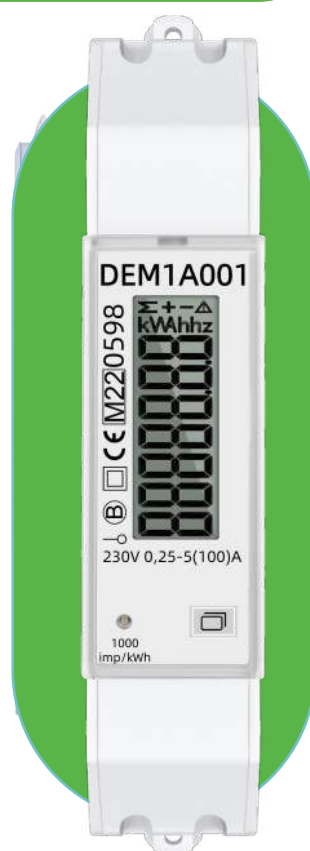
Application	Household, Industry, EV charger station, renewable power generation

⚙️ *Technical Parameters*

Standard:	EN50470-1/3
Rated Voltage:	230V
Rated Current:	0,25-5(100)A DEM1A *(MID)*
	0,25-5(45)A DEM1E
Impulse Constant:	1000 imp/kWh
Frequency:	50Hz
Accuracy Class:	B
Communication:	RS485\M-Bus\Canbus
	RS485 protocol Modbus/DLT645
LCD Display:	LCD 5+2
Working Temperature:	-25 ~ 70℃
Power Consumption:	<12VA <1W
Average Humidity:	75%
Maximum Humidity:	95%
Start Current:	0.004Ib
Meter Dimensions:	90mm X 18mm X 72 mm

▦ *Functions*

DEM1A001*(MID)* DEM1E001	Basic Type,no communication ,SO output (variable constant), with different measurements way
DEM1A002*(MID)* DEM1E002	RS485 MOADBUS/DLT645 dual protocol with different measurements way
DEM1A003*(MID)* DEM1E003	RS485 MODBUS/DLT645 dual protocol, Multi-tariff function, with different measurements way

DDS353H (MID)

DDS353H-1/2/3 is a single phase DIN Rail meter, 100A, which is a multi-functional meter for energy monitoring.
It is only 18mm width, but can support RS485 communication and comply with DIN EN 50022 standard, which is fit for the power distribution system for household and commercial.

Application	Household, Industry, EV charger station

Technical Parameters

Standard:	EN50470-1/3
Rated Voltage:	230V
Rated Current:	0,25-5(100)A
Impulse Constant:	100/1000/2000imp/kWh
Frequency:	50Hz
Accuracy Class:	B
Communication:	RS485
	Modbus-RTU
LCD Display:	LCD 5+1
Working Temperature:	-25 ～ 55℃
Power Consumption:	≤8VA,≤0.4W
Average Humidity:	75%
Maximum Humidity:	95%
Start Current:	0.004Ib
Meter Dimensions:	90mm X 18mm X 72 mm

Functions

Tariff, Active, Reactive, Demand

DDS353H-1	Basic Type,no communication, no Li-battery, no multi-tariff, with different measurements way
DDS353H-2	Basic Type,RS485, Modbus-RTU ,no Li-battery, no multi-tariff, with different measurements way
DDS353H-3	Basic Type,RS485, Modbus-RTU ,Li-battery, multi-tariff, with different measurements way

DDS353J / K   (MID / No MID)   AC IP2W

DDS353J / K is a din-rail single-phase electronic active meter , which complies the the international standards IEC62052-11, IEC 62053-21.It has the characteristics of good reliability, small volume, light weight, beautiful appearance, and easy installation.

Application	Household, Industry

⚙ Technical Parameters

Standard:	EN50470-1/3
Rated Voltage:	230V
Rated Current:	0,25-5(40)A (MID)
	0,25-5(50)A (No MID)
Impulse Constant:	1000 imp/kWh
Frequency:	50Hz
Accuracy Class:	B
LCD Display:	LCD 5+2
Working Temperature:	-20 ~ 65℃
Power Consumption:	≤8VA,≤0.4W
Average Humidity:	75%
Maximum Humidity:	95%
Start Current:	0.004Ib
Meter Dimensions:	118mm X 18mm X 63 mm

⊞ Functions

- DIN RAIL standard installation size.
- Display current and voltage.
- active energy can be measured.
- Material of Meter housing: ABS fire resistant.
- Degree of Protection: IP51 (indoor meter).

DDS353L (MID / No MID)   AC 1P2W

DDS353L is a din rail single phase two module energy meter with simple kWh measurement function.

Application	Household, Industry, EV charger station

⚙ *Technical Parameters*

Standard:	EN50470-1/3
Rated Voltage:	230V
Rated Current:	5(80) A
Impulse Constant:	1000 imp/kWh
Frequency:	50Hz/60Hz
Accuracy Class:	B
Communication:	RS485 protocol Modbus (MID)
	No communication (NO MID)
Working Temperature:	-00 ~ +65℃
Power Consumption:	<8VA <0.4W
Average Humidity:	75%
Maximum Humidity:	95%
Start Current:	0.004Ib
Meter Dimensions:	100mm X 36mm X 65 mm

▤ *Functions*

Energy Measurement,Temporary power can be reset to zero

DEM2D (No MID)

DC 1P2W

DEM2D Series is DC metering device that uses shunt sampling. Support RS485 communication, DLT 645/MODBUS protocol. Rail-mounted installation has the characteristics of good reliability, small size, beautiful appearance, and convenient installation.
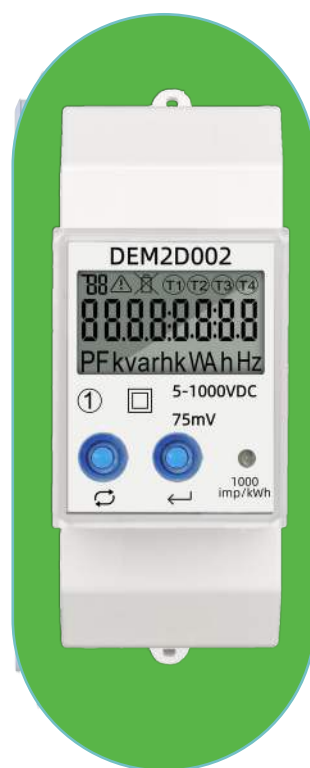
Application	Renewable power generation, DC screen DC charger station, Communication base station

⚙ *Technical Parameters*

Standard:	EN50470-1/3
Rated Voltage:	DC 5-1000V
Rated Current:	75mV Shunt 2000A
Impulse Constant:	1000 imp/kWh
Frequency:	50Hz
Accuracy Class:	B
Communication:	RS485
	RS485 protocol Modbus/DLT645
LCD Display:	LCD 6+2
Working Temperature:	-40 ~ +70℃
Power Consumption:	<12VA <1W
Average Humidity:	75%
Maximum Humidity:	95%
Start Current:	0.004Ib
Meter Dimensions:	90mm X 35.9mm X 73 mm

▦ *Functions*

Tariff,Event alarm, Firmware upgrade

DEM2D002   Auxiliary power supply AC/DC,No Battery, No tariff ,No relay

DEM2D102   Auxiliary power supply AC/DC,with Battery, with tariff ,with relay

DEM2D003   Auxiliary power supply DC,No Battery, No tariff ,No relay

DEM2D103   Auxiliary power supply DC,with Battery, with tariff ,with relay

DDS353B (MID) AC IP2W

This meter has been MID B&D Certified by SGS UK, proving both it's accuracy and quality. This certification allows this model to be used for any sub-billing applications.

Application	Household, Industry

⚙️ *Technical Parameters*

Standard:	EN50470-1/3
Rated Voltage:	230V
Rated Current:	0,25-5(80)A
Impulse Constant:	1000 imp/kWh
Frequency:	50Hz/60Hz
Accuracy Class:	B
LCD Display:	LCD 6+2
Working Temperature:	-25 ~ 55℃
Power Consumption:	<10VA <1W
Average Humidity:	75%
Maximum Humidity:	95%
Start Current:	0.004Ib
Meter Dimensions:	115mm X 78mm X 65 mm

▦ *Functions*

Energy Measurement
Communication RS485
Protocol Modbus

DDS353C (MID / No MID)   AC 1P4W

This is our another single phase Din-rail meter which could reach 100A.Prevent reverse tamper and indication.

Application   Household, Industry

⚙ Technical Parameters

Standard:	EN50470-1/3
Rated Voltage:	230V
Rated Current:	5(80) A
Impulse Constant:	1000 imp/kWh
Frequency:	50Hz/60Hz
Accuracy Class:	B
Communication:	No communication (MID)
	RS485 protocol Modbus(NO MID)
Working Temperature:	-25 ~ +55℃
Power Consumption:	<1W
Average Humidity:	75%
Maximum Humidity:	95%
Start Current:	0.004Ib
Meter Dimensions:	100mm X 76mm X 65 mm

⊞ Functions

Energy Measurement

DDS353C(MID)	No Communication,Active power measurement
DDS353C(No MID)	RS485 Communication,Absolute value measurement

DEM2I   (No MID)

AC 3P2W

DEM2I Series is AC metering device.
Support RS485 communication, DLT 645/MODBUS protocol.
Rail-mounted installation has the characteristics of good
reliability, small size, beautiful appearance, and convenient
installation.

Application	Household, Industry, EV charger station, renewable power generation

⚙ Technical Parameters

Standard:	EN50470-1/3
Rated Voltage:	3X230(400)V
Rated Current:	0.1-5(6)A
Impulse Constant:	10000imp/kWh(LED)
	10000imp/kWh(SO)
Frequency:	50Hz/60Hz
Accuracy Class:	A
Communication:	RS485
	RS485 protocol Modbus/DLT645
LCD Display:	LCD 6+2
Working Temperature:	-40 ~ +70℃
Power Consumption:	<12VA <1W
Average Humidity:	75%
Maximum Humidity:	95%
Start Current:	0.004Ib
Meter Dimensions:	90mm X 36mm X 73 mm

▦ Functions

Metering method can be set, Tariff, Active, Reactive, Demand

DEM2I103   RS485 MODBUS/DLT645 dual protocol, Multi-tariff function,
with different measurements way

DEM4A (MID)

AC 3P4W

The DEM4A Series Digital Power Meter works directly connected to a maximum load 100A AC circuit .
This meter will be applied the MID B&D Certified by SGS, proving both it's accuracy and quality. This certification allows this model to be used for any sub-billing application

Application	Household, Industry, EV charger station, renewable power generation

⚙️ Technical Parameters

Standard:	EN50470-1/3
Rated Voltage:	3X230(400)V
Rated Current:	0,25-5(100)A
Impulse Constant:	1000 imp/kWh
Frequency:	50Hz
Accuracy Class:	B
Communication:	RS485\M-Bus\Canbus
	RS485 protocol Modbus/DLT645
LCD Display:	LCD 6+2
Working Temperature:	-40 ～ +70℃
Power Consumption:	<12VA <1W
Average Humidity:	75%
Maximum Humidity:	95%
Start Current:	0.004Ib
Meter Dimensions:	90mm X 71.5mm X 72 mm

▦ Functions

DEM4A009	Basic Type, With IR, 2 SO output (variable constant), with different measurements way
DEM4A00B	IR + RS485 MODBUS/DLT645 +dual protocol+2 SO output (variable constant) with different measurements
DEM4A10B	IR+RS485 MODBUS/DLT645 dual protocol+2 SO output (variable constant) + Multi-tariff function,with different measurements
DEM4A20B	IR + RS485 MODBUS/DLT645 +dual protocol+1 SO output (variable constant) +1 Signal input port,with different measurements
DEM4A30B	IR+RS485 MODBUS/DLT645 dual protocol+1 SO output (variable constant) +1 Signal input port+ Multi-tariff function,with different measurements

KD03 Energy meter

AC 3P4W

Three phase four wire electricity meter, direct type/CT type optional. Adopting a 4-module guide rail installation method, it has a small volume, compact structure, and convenient installation, suitable for various application scenarios.

Application	Household, Industry

⚙ Technical Parameters

Standard:	EN50470-1/3
Rated Voltage:	3×230V/400V
Rated Current:	0,25-5(80)A
	1.5（6）A
Impulse Constant:	800 imp/kWh
	12000 imp/kWh
Frequency:	50Hz/60Hz
Accuracy Class:	B
LCD Display:	LCD 6+2
Working Temperature:	-40 ~ 70℃
Power Consumption:	<10VA <1W
Average Humidity:	75%
Maximum Humidity:	95%
Start Current:	0.004Ib
Meter Dimensions:	100mm X 76mm X 65 mm

▦ Functions

Energy Measurement

DTS353C (MID)

AC 3P4W

This meter has been MID B&D Certified by SGS UK, proving both it's accuracy and quality. This certification allows this model to be used for any sub-billing applications.

Application	Household, Industry

Technical Parameters

Standard:	EN50470-1/3
Rated Voltage:	3×230V/400V
Rated Current:	0,25-5(80)A
Impulse Constant:	800 imp/kWh
Frequency:	50Hz/60Hz
Accuracy Class:	B
LCD Display:	LCD 6+2
Working Temperature:	-25 ～ 55℃
Power Consumption:	<10VA <1W
Average Humidity:	75%
Maximum Humidity:	95%
Start Current:	0.004Ib
Meter Dimensions:	100mm X 76mm X 65 mm

Functions

Energy Measurement

KG01 Energy meter   AC 3P4W

This is a simple three phase seven module Din-rail meter. It has RS485 communication which could meet the protocol MODBUS. It is very popular in the worldwide for its novel appearance, good quality and reasonable price.

Application	Household, Industry,machine

Technical Parameters

Standard:	EN50470-1/3
Rated Voltage:	230V
Rated Current:	0,5-10(100)A
Impulse Constant:	1000 imp/kWh
Frequency:	50Hz/60Hz
Accuracy Class:	B
LCD Display:	LCD 6+1
Working Temperature:	-25 ~ 55℃
Power Consumption:	<10VA <1W
Average Humidity:	75%
Maximum Humidity:	95%
Start Current:	0.004Ib
Meter Dimensions:	100mm X 122mm X 65mm

Functions

Energy Measurement
Communication RS485
Protocol Modbus

K302 APS Prepaid meter AC 1P2W

Single phase two wire APS prepaid energy meter, with external battery replacement support, small size, and fully functional, suitable for various application scenarios

Application	Household, Industry, Renewable power generation

⚙️ *Technical Parameters*

Standard: EN50470-1/3
Rated Voltage: 230V
Rated Current: 0,25-5(100)A
Impulse Constant: 1000 imp/kWh
Frequency: 50Hz/60Hz
Accuracy Class: B
LCD Display: LCD 6+2
Working Temperature: -40 ～ 70℃
Power Consumption: <10VA <1W
Average Humidity: 75%
Maximum Humidity: 95%
Start Current: 0.004Ib
Meter Dimensions: 90mm X 54mm X 72 mm

Functions

APS prepayment, Tariff, Active, Reactive, Neutral line measurement, Load profile, Event record, Event alarm, Load control, Firmware upgrade, temperature detection
Communication RS485\Bluetooth\4G
Protocol IDIS

K214 STS Prepaid meter AC 1P2W

This is a single-phase two wire STS prepaid energy meter. Equipped with remote communication function, it can achieve remote recharge, real-time data monitoring, analysis and management, and improve power grid quality.Can be equipped with CIU.

Application	Household, Industry

⚙ *Technical Parameters*

Standard:	IEC62052-11\ IEC62053-21
Rated Voltage:	230V
Rated Current:	0,25-5(100)A
Impulse Constant:	1000 imp/kWh
Frequency:	50Hz/60Hz
Accuracy Class:	Active ： 1.0
LCD Display:	NO
Working Temperature:	-20 ～ 70℃
Power Consumption:	<10VA <1W
Average Humidity:	75%
Maximum Humidity:	95%
Start Current:	0.004Ib
Meter Dimensions:	142mm X 49mm X 87mm

▦ *Functions*

STS prepayment,Active, Reactive, support for tariff mode, Event record, Event alarm, Neutral line metering, Firmware upgrade, Load control
Communication RS485\G3 PLC\Wifine
Protocol DLMS

K217 Energy meter

AC 1P2W

Single phase two wire APS prepaid energy meter, small size, and fully functional, suitable for various application scenarios

Application	Household, Industry, Renewable power generation

Technical Parameters

Standard:	IEC62052-11\ IEC62053-21
Rated Voltage:	230V
Rated Current:	0,25-5(60)A
Impulse Constant:	1600 imp/kWh
Frequency:	50Hz/60Hz
Accuracy Class:	B
LCD Display:	LCD 5+1
Working Temperature:	-40 ～ 70℃
Power Consumption:	<10VA <1W
Average Humidity:	75%
Maximum Humidity:	95%
Start Current:	0.004Ib
Meter Dimensions:	90mm X 36mm X 72 mm

Functions

Energy Measurement

K403 APS Prepaid meter   AC 1P2W

Single phase two wire APS prepaid energy meter, small size, and fully functional, suitable for various application scenarios

Application	Household, Industry, Renewable power generation

⚙ *Technical Parameters*

Standard:	EN50470-1/3
Rated Voltage:	230V
Rated Current:	0,25-5(60)A
Impulse Constant:	1600 imp/kWh
Frequency:	50Hz/60Hz
Accuracy Class:	B
LCD Display:	LCD 6+2
Working Temperature:	-25 ~ 70℃
Power Consumption:	<10VA <1W
Average Humidity:	75%
Maximum Humidity:	95%
Start Current:	0.004Ib
Meter Dimensions:	100mm X 76mm X 65 mm

▦ *Functions*

APS prepayment, Event alarm, Load control
Communication RS485\GPRS
Protocol YTL-Bus

KE05 Smart meter   AC 3P4W

Single phase two line guide rail smart energy meter, RS485 communication, GPRS communication optional, small size, full functionality, easy installation, suitable for various application scenarios.

Application	Household, Industry,machine

⚙️ *Technical Parameters*

Standard:	IEC62052-11\ IEC62053-21
Rated Voltage:	230V
Rated Current:	0,5-10(80)A
Impulse Constant:	1000 imp/kWh
Frequency:	50Hz/60Hz
Accuracy Class:	B
LCD Display:	LCD 6+2
Working Temperature:	-20 ～ 70℃
Power Consumption:	<10VA <2W
Average Humidity:	75%
Maximum Humidity:	95%
Start Current:	0.004Ib
Meter Dimensions:	90mm X 90mm X 72 mm

▦ *Functions*

Metering method can be set, Tariff, Active, Reactive, Demand, Load profile, Event record, Event alarm, Load control, freezing function,Load working time,Firmware upgrade
Communication RS485\4G
Protocol Modbus\DLT645-2007

K011 STS Prepaid meter   AC 1P2W

This is a single-phase two wire STS prepaid energy meter with IR communication, which can be used for parameter setting and data reading.

Application	Household, Industry

⚙️ *Technical Parameters*

Standard:	IEC62052-11\ IEC62053-21
Rated Voltage:	230V
Rated Current:	0,25-5(60)A
Impulse Constant:	1000 imp/kWh
Frequency:	50Hz/60Hz
Accuracy Class:	Active ： 1.0
LCD Display:	LCD 6+2
Working Temperature:	-20 ～ 70℃
Power Consumption:	<10VA <1W
Average Humidity:	75%
Maximum Humidity:	95%
Start Current:	0.004Ib
Meter Dimensions:	172mm X 125mm X 55 mm

Functions

STS prepayment,Event alarm,
Energy Measurement,Load control
Communication IR   Protocol IEC62056-21

KA10 STS Prepaid meter AC 3P4W

This is a three phase four wire STS prepaid energy meter with RS485 communication, which can be used for parameter setting and data reading.

Application	Household, Industry

⚙️ *Technical Parameters*

Standard:	IEC62052-11\ IEC62053-21
Rated Voltage:	3×230/400V
Rated Current:	0,25-5(100)A
Impulse Constant:	800 imp/kWh
Frequency:	50Hz/60Hz
Accuracy Class:	Active ： 1.0 Reactive ： 2.0
LCD Display:	LCD 6+2
Working Temperature:	-20 ～ 70℃
Power Consumption:	<10VA <1W
Average Humidity:	75%
Maximum Humidity:	95%
Start Current:	0.004Ib
Meter Dimensions:	268mm X 190mm X 55 mm

Functions

STS prepayment,Active, Reactive, support for tariff mode, Event record, Event alarm, Neutral line sampling, Firmware upgrade, Load control
Communication RS485   Protocol DLMS

KA10 STS Prepaid meter   AC 2P3W

This is a two phase three wire STS prepaid energy meter.IR communication, which can be used for parameter setting and data reading.

Application	Household, Industry

⚙️ *Technical Parameters*

Standard:	IEC62052-11\ IEC62053-21
Rated Voltage:	2×1270/220V
Rated Current:	0,25-5(100)A
Impulse Constant:	1000 imp/kWh
Frequency:	50Hz/60Hz
Accuracy Class:	Active：1.0　Reactive：2.0
LCD Display:	LCD 6+2
Working Temperature:	-20 ～ 70℃
Power Consumption:	<10VA <1W
Average Humidity:	75%
Maximum Humidity:	95%
Start Current:	0.004Ib
Meter Dimensions:	187mm X 150mm X 62mm

⊞ *Functions*

STS prepayment,Event alarm,
Energy Measurement,Load control
Communication IR   Protocol IEC62056-21

K040 STS Prepaid meter   AC 1P2W

This is a single-phase two wire STS prepaid energy meter. Equipped with remote communication function, it can achieve remote recharge, real-time data monitoring, analysis and management, and improve power grid quality.Can be equipped with CIU.

Application	Household, Industry

⚙️ *Technical Parameters*

Standard:	IEC62052-11\ IEC62053-21
Rated Voltage:	230V
Rated Current:	0,25-5(100)A
Impulse Constant:	1000 imp/kWh
Frequency:	50Hz/60Hz
Accuracy Class:	Active ： 1.0
LCD Display:	LCD 6+2
Working Temperature:	-20 ～ 70℃
Power Consumption:	<10VA <1W
Average Humidity:	75%
Maximum Humidity:	95%
Start Current:	0.004Ib
Meter Dimensions:	194mm X 117mm X 58mm

▦ *Functions*

STS prepayment,Active, Reactive, support for tariff mode, Event record, Event alarm, Neutral line metering, Firmware upgrade, Load control Communication RS485\RF\GPRS\G3 PLC\Wifine Protocol DLMS

KA19 STS Prepaid meter   AC 3P4W

This is a three phase four wire STS prepaid energy meter with RS485 communication, which can be used for parameter setting and data reading.

Application	Household, Industry

Technical Parameters

Standard:	IEC62052-11\ IEC62053-21
Rated Voltage:	3×230/400V
Rated Current:	0,25-5(100)A
Impulse Constant:	800 imp/kWh
Frequency:	50Hz/60Hz
Accuracy Class:	Active ： 1.0 Reactive ： 2.0
LCD Display:	LCD 6+2
Working Temperature:	-20 ～ 70℃
Power Consumption:	<10VA <1W
Average Humidity:	75%
Maximum Humidity:	95%
Start Current:	0.004Ib
Meter Dimensions:	249mm X 171mm X 58.5 mm

Functions

STS prepayment,Active, Reactive, support for Tariff mode, Event record, Event alarm, Neutral line sampling, Firmware upgrade, Load control

Communication RS485\GPRS

Protocol DLMS

K019 STS Prepaid meter AC 1P2W

This is a single-phase two wire STS prepaid energy meter. Equipped with remote communication function, it can achieve remote recharge, real-time data monitoring, analysis and management, and improve power grid quality.Can be equipped with CIU.

Application	Household, Industry

⚙️ *Technical Parameters*

Standard:	IEC62052-11\ IEC62053-21
Rated Voltage:	230V
Rated Current:	0,25-5(80)A
Impulse Constant:	1000 imp/kWh
Frequency:	50Hz/60Hz
Accuracy Class:	Active ： 1.0
LCD Display:	LCD 6+2
Working Temperature:	-20 ～ 70℃
Power Consumption:	<10VA <1W
Average Humidity:	75%
Maximum Humidity:	95%
Start Current:	0.004Ib
Meter Dimensions:	207mm X 122mm X 55.5 mm

▦ *Functions*

STS prepayment,Active, Reactive, support for tariff mode, Event record, Event alarm, Neutral line metering, Firmware upgrade, Load control
Communication RS485\G3 PLC
Protocol DLMS

K019 STS Prepaid meter   AC 1P2W

This is a single-phase two wire STS prepaid electricity meter. Equipped with remote communication function, the communication module supports on-site replacement, and can achieve remote charging and real-time data monitoring.

Application	Household, Industry

⚙ Technical Parameters

Standard:	IEC62052-11\ IEC62053-21
Rated Voltage:	230V
Rated Current:	0,25-5(60)A
Impulse Constant:	1000 imp/kWh
Frequency:	50Hz/60Hz
Accuracy Class:	Active ： 1.0
LCD Display:	LCD 6+2
Working Temperature:	-20 ～ 70℃
Power Consumption:	<10VA <1W
Average Humidity:	75%
Maximum Humidity:	95%
Start Current:	0.004Ib
Meter Dimensions:	207mm X 122mm X 74.5mm

Functions

STS prepayment,Active, Reactive, support for tariff mode, Event record, Event alarm, Neutral line metering, Firmware upgrade, Load control
Communication RS485,GPRS
Protocol DLMS

KA17 STS Prepaid meter   AC 3P4W

This is a three phase four wire STS prepaid energy meter. Equipped with remote communication function, it can achieve remote recharge, real-time data monitoring, analysis and management, and improve power grid quality.Can be equipped with CIU.

Application	Household, Industry

⚙️ *Technical Parameters*

Standard:	IEC62052-11\ IEC62053-21
Rated Voltage:	3×230/400V
Rated Current:	0,25-5(100)A
Impulse Constant:	800 imp/kWh
Frequency:	50Hz/60Hz
Accuracy Class:	Active ： 1.0 Reactive ： 2.0
LCD Display:	LCD 6+2
Working Temperature:	-20 ～ 70℃
Power Consumption:	<10VA <1W
Average Humidity:	75%
Maximum Humidity:	95%
Start Current:	0.004Ib
Meter Dimensions:	303mm X 183mm X 79 mm

⊞ *Functions*

STS prepayment,Active, Reactive, support for tariff mode, Event record, Event alarm, Neutral line sampling, Firmware upgrade, Load control Communication RS485\G3 PLC\Wifine\4G Protocol DLMS

K029 Smart meter   AC 1P2W

This is a single-phase two wire smart meter, with a modular communication design that supports on-site replacement, which is an important part of the AMI solution. Remote communication, real-time monitoring, data analysis, etc. provide data support for improving the quality of the power grid.

Application	Household, Industry

⚙ Technical Parameters

Standard:	IEC62052-11\ IEC62053-21
Rated Voltage:	230V
Rated Current:	0,25-5(100)A
Impulse Constant:	3200 imp/kWh
Frequency:	50Hz/60Hz
Accuracy Class:	Active : 1.0 Reactive : 2.0
LCD Display:	LCD 6+2
Working Temperature:	-20 ~ 70℃
Power Consumption:	<10VA <1W
Average Humidity:	75%
Maximum Humidity:	95%
Start Current:	0.004Ib
Meter Dimensions:	202mm X 115mm X 75mm

▦ Functions

Active, Reactive, Tariff,Load profile, Event record, Event alarm, Neutral line metering, Firmware upgrade, Load control
Communication RS485,G3 PLC\GPRS\RF
Protocol IDIS

KA09 Smart meter AC 3P4W

This is a three-phase four wire smart meter, with a modular communication design that supports on-site replacement, which is an important part of the AMI solution. Remote communication, real-time monitoring, data analysis, etc. provide data support for improving the quality of the power grid.

Application	Household, Industry

⚙️ Technical Parameters

Standard:	IEC62052-11\ IEC62053-21
Rated Voltage:	3×230/400V
Rated Current:	0,25-5(100)A
	1.5(10)A
Impulse Constant:	3200 imp/kWh
	12000 imp/kWh
Frequency:	50Hz/60Hz
Accuracy Class:	Active：1.0 Reactive：2.0
LCD Display:	LCD 6+2
Working Temperature:	-20 ～ 70℃
Power Consumption:	<10VA <1W
Average Humidity:	75%
Maximum Humidity:	95%
Start Current:	0.004Ib
Meter Dimensions:	292mm X 172mm X 87.5mm

▦ Functions

Active, Reactive, Tariff,Load profile, Event record, Event alarm, Neutral line sampling, Firmware upgrade, Load control
Communication RS485,G3 PLC\GPRS\RF
Protocol IDIS

K040 Multifunctional energy meter

AC 1P2W

This is an anti-tamper meter with with various of tamper and alarm functions. This meter is favored by customers with the features of high accuracy, various anti-tampering functions and competitive cost performance. In addition, this meter is designed strictly according to IEC62052 and IEC62053 standard.

Application	Household, Industry

⚙ *Technical Parameters*

Standard:	IEC62052-11\ IEC62053-21
Rated Voltage:	230V
Rated Current:	0,25-5(100)A
Impulse Constant:	1600 imp/kWh
Frequency:	50Hz/60Hz
Accuracy Class:	Active ： 1.0 Reactive ： 2.0
LCD Display:	LCD 6+2
Working Temperature:	-25 ～ 70℃
Power Consumption:	<10VA <1W
Average Humidity:	75%
Maximum Humidity:	95%
Start Current:	0.004Ib
Meter Dimensions:	173mm X 118mm X 62.5 mm

▦ *Functions*

Active, Reactive, Tariff,Load profile, Event record, Event alarm, Neutral line metering, Firmware upgrade, IP rotection IP54

Communication RS485\Bluetooth   Protocol DLMS

KA19 Multifunctional energy meter

AC 3P4W

This is an anti-tamper meter with with various of tamper and alarm functions. This meter is favored by customers with the features of high accuracy, various anti-tampering functions and competitive cost performance. In addition, this meter is designed strictly according to IEC62052 and IEC62053 standard.

Application	Household, Industry

⚙ *Technical Parameters*

Standard:	IEC62052-11\ IEC62053-21
Rated Voltage:	3×230/400V
Rated Current:	0,25-5(100)A
	1.5(6)A
Impulse Constant:	800 imp/kWh
	12000 imp/kWh
Frequency:	50Hz/60Hz
Accuracy Class:	Active：1.0 Reactive：2.0
LCD Display:	LCD 6+2
Working Temperature:	-25 ～ 70℃
Power Consumption:	<10VA <1W
Average Humidity:	75%
Maximum Humidity:	95%
Start Current:	0.004Ib
Meter Dimensions:	227mm X 171mm X 62.5 mm

▦ *Functions*

Active, Reactive, Tariff,Load profile, Event record, Event alarm, Neutral line sampling, Firmware upgrade, IP rotection IP54
Communication RS485\Bluetooth   Protocol DLMS

K031 Smart meter

AC 1P2W

This is a single-phase two wire smart meter, with a modular communication design that supports on-site replacement, which is an important part of the AMI solution. Remote communication, real-time monitoring, data analysis, etc. provide data support for improving the quality of the power grid.

Application	Household, Industry

Technical Parameters

Standard:	IEC62052-11\ IEC62053-21
Rated Voltage:	230V
Rated Current:	0,25-5(45)A 0,25-5(100)A
Impulse Constant:	1600 imp/kWh
Frequency:	50Hz/60Hz
Accuracy Class:	Active ： 1.0 Reactive ： 2.0
LCD Display:	LCD 6+2
Working Temperature:	-25 ～ 70℃
Power Consumption:	<10VA <1W
Average Humidity:	75%
Maximum Humidity:	95%
Start Current:	0.004Ib
Meter Dimensions:	221mm X 127mm X 71mm

Functions

Tariff, Active, Reactive, Demand, Neutral line measurement, Load profile, Event record, Event alarm, Load control, Firmware upgrade,Self-diagnosis, IP rotection IP54
Communication RS485,G3 PLC\GPRS
Protocol DLMS

KA11 Smart meter   AC3P4W

This is a three-phase four wire smart meter, with a modular communication design that supports on-site replacement, which is an important part of the AMI solution. Remote communication, real-time monitoring, data analysis, etc. provide data support for improving the quality of the power grid.

Application	Household, Industry

⚙ Technical Parameters

Standard:	IEC62052-11\ IEC62053-21
Rated Voltage:	3×230/400V
Rated Current:	0,25-5(45)A 0,25-5(100)A
	0,25-5(6)A
Impulse Constant:	1000 imp/kWh
	10000 imp/kWh
Frequency:	50Hz/60Hz
Accuracy Class:	Active : 1.0 Reactive : 2.0
LCD Display:	LCD 6+2
Working Temperature:	-25 ～ 70℃
Power Consumption:	<10VA <1W
Average Humidity:	75%
Maximum Humidity:	95%
Start Current:	0.004Ib
Meter Dimensions:	301mm X 184mm X 78mm

▥ Functions

Tariff, Active, Reactive, Demand, Neutral line sampling, Load profile, Event record, Event alarm, Load control, Firmware upgrade,Self-diagnosis,
IP rotection IP54
Communication RS485,G3 PLC\GPRS
Protocol DLMS

K042 Energy meter

AC 1P2W

This is a single-phase two wire anti-tamper meter.This meter is favored by customers with the features of high accuracy and competitive cost performance.

Application	Household, Industry

Technical Parameters

Standard:	IEC62052-11\ IEC62053-21
Rated Voltage:	230V
Rated Current:	0,25-5(100)A
Impulse Constant:	1600 imp/kWh
Frequency:	50Hz/60Hz
Accuracy Class:	Active ： 1.0
LCD Display:	LCD 6+2
Working Temperature:	-20 ～ 70℃
Power Consumption:	<10VA <1W
Average Humidity:	75%
Maximum Humidity:	95%
Start Current:	0.004Ib
Meter Dimensions:	113mm X 101mm X 32mm

Functions

Neutral line measurement

KS01 Energy meter   AC 2P3W

This is a Two phase three wire meter with RF wireless communication reading through PC software. It can ensure the long-term, reliable and stable operation of the electricity meter.

Application	Household, Industry

⚙ Technical Parameters

Standard: IEC62052-11\ IEC62053-21
Rated Voltage: 2×120/240V
Rated Current: 0,5-10(100)A
Impulse Constant: 1000 imp/kWh
Frequency: 50Hz/60Hz
Accuracy Class: active 1.0 reactive 2.0
LCD Display: LCD 6+2
Working Temperature: -20 ～ 70℃
Power Consumption: <10VA <1W
Average Humidity: 75%
Maximum Humidity: 95%
Start Current: 0.004Ib
Meter Dimensions: 125mm X 132mm X 48 mm

Functions

Active, Reactive,Demand,Tariff, Load profile,

Event record, Event alarm,IP rotection IP54

RF communication   Protocol IEC62056-21 C

K010 Prepaid meter IC Card

AC 1P2W
(MID)

This is a single-phase two wire STS prepaid energy meter with IR communication, which can be used for parameter setting and data reading.

Application	Household, Industry

⚙ Technical Parameters

Standard: IEC62052-11\ IEC62053-21
Rated Voltage: 230V
Rated Current: 0,25-5(80)A
Impulse Constant: 1000 imp/kWh
Frequency: 50Hz/60Hz
Accuracy Class: Active ： 1.0
LCD Display: LCD 6+2
Working Temperature: -20 ～ 70℃
Power Consumption: <10VA <1W
Average Humidity: 75%
Maximum Humidity: 95%
Start Current: 0.004Ib
Meter Dimensions: 172mm X 125mm X 55 mm

⊞ Functions

Energy Measurement
IC card prepayment
Communication RS485   Protocol Modbus

Smart socket meter (CCC)

AC 1P2W

This is a cost-effective intelligent socket product. Supports Bluetooth direct connection and 4G communication, enabling remote control and data collection;
Designed according to the standard 86 type cassette, it has the characteristics of minimal volume, light weight, beautiful appearance, and easy installation.

Application	Household, Industry Shared electricity

Technical Parameters

Standard:	IEC62052-11\ IEC62053-21
Rated Voltage:	230V
Rated Current:	1(10)A
Impulse Constant:	12000 imp/kWh
Frequency:	50Hz/60Hz
Accuracy Class:	B
LCD Display:	LCD 5+2
Working Temperature:	-10 ~ 60℃
Power Consumption:	<10VA <1W
Average Humidity:	75%
Maximum Humidity:	95%
Start Current:	0.004Ib
Meter Dimensions:	86mm X 86mm X 55 mm

Functions

Active, Reactive, Event record, Event alarm, Load control, Firmware upgrade, Temperature detection

Communication 4G\Bluetooth   Protocol 376.1