Eco paper printing

J&R DESIGN 校对稿，不得商用！

ENERGY METER

PRODUCT SELECTION GUIDE

Wenzhou Legy Electric Meter
Technology Co.,Ltd.



J&R DESIGN 校对稿，不得商用！
www.jrcis.com

Green Energy　Commercial Power　Rail Transit　Grid System

LeGy Technology 联众科技

LeGy Technology

Wenzhou Legy Electric Meter Technology Co.,Ltd.

ADD: No.199, Wei12 Road, Yueqing Economic Development Zone, Yueqing, Zhejiang, China　Post Code: 325600
TEL: 0577-62878188 0577-62879988
FAX: 0577-62878388
E-mail: legywang@aliyun.com
Http://www.legymeter.com

J&R DESIGN 校对稿，不得商用！
www.jrcis.com

Company Profile

www.legymeter.com

Wenzhou Legy Electric Meter Technology Co.,Ltd.established in 2002, is an export-oriented manufactuer, professional in design, development, produce and sell electronic energy meter. With more than two decades of industrial experiences, at present company specially provide electronic energy meter, smart meter and relevant solutions. Also, always care for new technologies, new material and new processes.

Our brand " LEGY " has had a quickly development for these years. We believe specialty will be more reliable. Every Legy product is rigorously tested before being dispatched to the customers. We insisted on bringing the safety and worth to all of our clients.

Stronger productive ablility, Stable quality, Satisfactory price will help expand our clients' selling and win good reputation in competitive market. We devote ourselves to a win-win cooperation by our factory advantages.

We sincerely hope to be your stable, reliable and long-term cooperator.



J&R DESIGN 校对稿，不得商用！
www.jrcis.com

Your satisfaction is what we strive for

Green Energy | Commercial Power | Rail Transit | Grid System

Workshop Equipment

www.legymeter.com

Green Energy | Commercial Power | Rail Transit | Grid System













Wenzhou Legy Electric Meter Technology Co.,Ltd.

Product Catalog

www.legymeter.com

LeGy Technology

ZB1 01
Single Phase Electronic Energy Meter

ZB2 02
Single Phase Electronic Energy Meter

PT211 03
Bluetooth Smart Meter

DDS1607(S) 05
Single Phase Solar / Bidiretional Energy Meter

DDS608 06
Single Phase Electronic Energy Meter

DDS1607 07
Single Phase Two Wire / Three wire Electronic Active Energy Meter

DDS1607 09
Single Phase Electronic Din-rail Active Energy Meter

DDS1607L 10
Single Phase Din Rail LCD Display Energy Meter

DDS1607-2 11
Single Phase Electronic Din-rail Active Energy Meter

DTS1607L 12
Three Phase Four Wires Din Rail Energy Meter LCD Display

DTS1607 13
Three phase Electronic Din rail Active Energy Meter

DDS862 14
Single Phase Electronic Active Energy Meter

DDS9999 15
Single Phase Electronic Energy Meter

DTS9999 16
Three Phase Four Wire Electronic Active Energy Meter

CA168 17
Single Phase Prepayment Keypad Electricity Meter

CA368 19
Three Phase Keypad Prepayment Electricity Meter

DDSY1607 21
Single Phase Electronic Pre-Paid Energy Meter

DTSY1607 22
Three-Phase Electronic Pre-Paid Energy Meter

DTSD1607 23
Electronic Three-Phase Multi-Function Energy Meter

DD862 24
Single Phase Electromechanical Active Energy Meter

DT862 26
Three Phase Electromechanical Active Energy Meter

DT862 27
Three Phase Four Wire Electromechanical Active Energy Meter

DDS1607 28
Single Phase ANSI Socket Energy Meter

GYB-100 29
Round Meter Sockets

J&R DESIGN 校对稿，不得商用！ www.jrcis.com

ZB1
Single Phase Electronic Energy Meter

Application

The ZB1 type single phase electronic Energy meter adopt exclusive use LSI, the device typifying new periphery component, simple structure, high reliability, low power consumption, long life etc, is suitable for the single phase AC active electric energy with rated frequency of 50Hz. The performance is in conformity with the technical requirements for Single-phase Electronic energy meter stipulated in IEC62053-11 Class 1 and 2 Static AC Active energy meter standard.





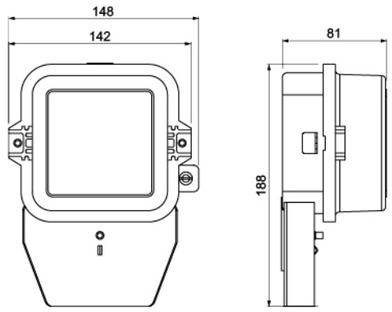
Features

- ◎ Measure active electric energy, do not need calibrate for long-term operation;
- ◎ Adopt dedication meter age chip ADE7755;
- ◎ Adopt lasted electricity dedication integrated circuit including digital multiplier overseas, greatly improved dynamic working range of Meter, making 10 multiple actual overload;
- ◎ Have good mistake linearity in the range of 5%Ib~Imax;
- ◎ Few periphery component, simple structure, low power consumption;
- ◎ Adopt high reliablity and long life electronic component. So the Meter assume feature of high reliability and long life.

Technical Parameters

Specification			
Standard	IEC 62052-11, IEC 62053-21		
Display	LCD (Size:66mmX30mm)		
Energy (kWh)	6 + 1		
Item Display	Ampere, Voltage , kWh, Hz , Power factor		
Comunication Port	RS485		
Operating Condition			
Power System	220-230V		
Operating Voltage	165-264V		
Rated Current	5(45)A	5(60)A	5(100)A
Reference Frequency	50Hz		
Temperature	0-70℃		
Humidity	0-98% RH		
Electrical Characteristics			
Accuracy	Class 1		
LCD pulse	5(45)A / 5(60)A 1600imp/kWh		800imp/kWh
Power Burden	2W / 10VA		
Starting Current	20 mA		
Over Current	54A		120A
Impulse Voltage	6 KV		
Mechanical Construction			
Base	Steel body		
Enclosure Protection	IP 54		
Terminal bore diameter	10-16mm²		25-50mm²

Dimension



J&R DESIGN 校对稿，不得商用！
www.jrcis.com

ZB2
Single Phase Electronic Energy Meter

Application

The ZB2 type single phase electronic Energy meter adopt exclusive use LSI, the device typifying new periphery component, simple structure, high reliability, low power consumption, long life etc, is suitable for the single phase AC active electric energy with rated frequency of 50Hz. The performance is in conformity with the technical requirements for Single-phase Electronic energy meter stipulated in IEC62053-11 Class 1 and 2 Static AC Active energy meter standard.





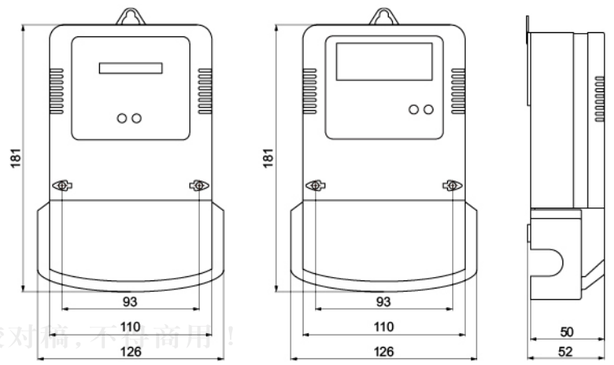
Features

- ◎ Measure active electric energy, do not need calibrate for long-term operation;
- ◎ Adopt dedication meter age chip ADE7755;
- ◎ Adopt lasted electricity dedication integrated circuit including digital multiplier overseas, greatly improved dynamic working range of Meter, making 10 multiple actual overload;
- ◎ Have good mistake linearity in the range of 5%Ib~Imax;
- ◎ Few periphery component, simple structure, low power consumption;
- ◎ Adopt high reliablity and long life electronic component. So the Meter assume feature of high reliability and long life.
- ◎ Way of display: Register, Big size LCD.
- ◎ Remote interruption of power supply function.
- ◎ Output interface RS485.

Technical Parameters

Specification	
Standard	IEC 62052-11, IEC 62053-21
Display	LCD (Size:66mmX30mm)
Energy (kWh)	6 + 1
Rated Current(A)	5(20), 5(30), 5(60), 10(40), 10(50), 10(60), 15(60), 20(80)
Rated Voltage(V)	220 or 240
Rated Frequency(Hz)	50 or 60
Accuracy Class	Class 1
Base/top cover	PC
Item Display	Ampere, Voltage , kWh, Hz , Power factor
Comunication Port	RS485

Dimension



J&R DESIGN 校对稿，不得商用！
www.jrcis.com

PT211
Bluetooth Smart Meter





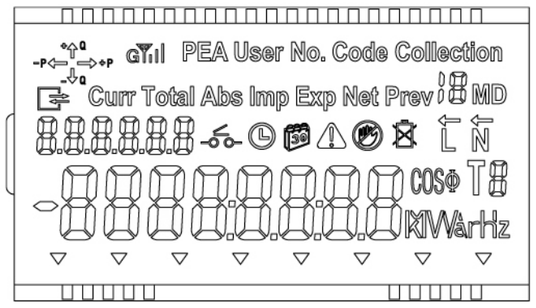
Application

PT211 Bluetooth smart meter, which is installed on the base of BS8565 standard. It is an ideal choice for residential applications. The solution provides many innovations. It is equipped with infrared communication, Bluetooth communication, and infrared communication can be used for data collection of DLMS/COSEM protocol. The supporting software allows customers to view user consumption information, settle or clear alarm information in the table.

Features

- ◎ Measure forward direction, reverse direction and 4 quadrants reactive power and maxdemand. the time of max demand occurs;
- ◎ Support Automated settlement, with a maximum storage period of 12 months for settlement data
- ◎ Support recording load curve, when the curve period is 15 minutes, the maximum of 45 days of load curve record can be saved;
- ◎ Support DLMS protocol, optical communicaiton, Bluetooth communication. Support Bluetooth communicate with Android Phone;
- ◎ Support maximum 100 records of events, under-voltage, over voltage, over load, over current, power down, voltage recovery, open terminal cover, etc;
- ◎ Support measurement of instantaneous parameters: voltage, current, active power, reactive power, frequency, etc ;
- ◎ Anti-fraud, Support measuring in the condition of neutral loss. The meter can measure accurately even though the neutral loss, and record the event of that;
- ◎ Built-in backup battery, supports LCD display even though power off;
- ◎ Support detection of phase and neutral interchange, and record the event;
- ◎ Support LCD display, the display content can be programmed, Decimal programmable, Display Shortcode programmable;
- ◎ Support firmware upgrade by optical port;
- ◎ Real-time clock, can modify the time by software.

LCD Interface



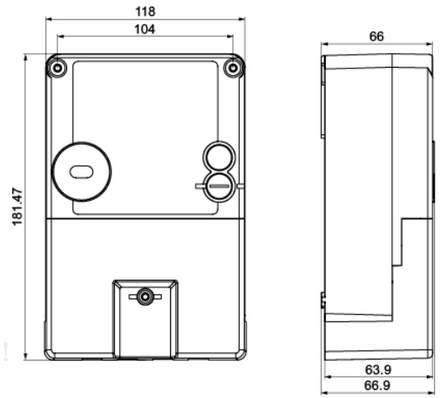
J&R DESIGN 校对稿，不得商用！
www.jrcis.com

Wenzhou Legy Electric Meter Technology Co.,Ltd.

Technical Parameters

Specification		
Standard	IEC 62052-11, IEC 62053-21, IEC62053-23	
Display	LCD	
Item Display	Current, Voltage, Alarm, Tamper, History energy and demand data records, Event logs	
Battery	Backup battery replaceable	
Compliant	DLMS	
Comunication port	RS485 port (optional), Bluetooth	
LED indicator	Active energy consumption indicator, Reactive energy consumption	
Mounting	BS8565 Standard	
Anti-fraud	Open terminal cover / open upper cover	
Insulation System Classification	Protective Class II	
Operating Condition		
Power System	230V	
Operating Voltage	0.8-1.15Un	
Rated Current	5(100)A	
Reference Frequency	50Hz	
Temperature / Humidity	-40℃ -70℃ / 0-98% RH	
Electrical Characteristics		
Accuracy	Class 1	
LCD pulse	1000imp/kWh, Class 1	1000imp/kvarh, Class 2
Power Burden	2W/10VA	
Starting Current	20mA	
Over Current		
Impulse Voltage	6kV	
Mechanical Construction		
Base	PC	
Enclosure Protection	IP54	
Terminal bore diameter	9.2mm	
Applicable Conductors	25-50mm^2	
Fix points	3	

Dimension



J&R DESIGN 校对稿，不得商用！
www.jrcis.com

DDS1607(S)

Single Phase Solar / Bidiretional Energy Meter



Application

DDS1607(S) RS485 static single phase Solar/Bidiretional energy meter for active energy for active energy adopt advanced large-scale integrated circuit IC and SMT manufacturing technology. They have following features: bi-directional or unidirectional energy measurement , wide voltage , anti-tamper , high accuracy and reliability , large overload , low self-consumption , small volume , light weight. The meter have RS485 communication port ,can realize remote reading .
The meter should be installed in suitable environment with ambient temperature range between -25℃ +55℃ ,the relative humidity less than 75% and temperature limits between and-40℃ +70℃ .
The meter is manufactured complying with international standard IEC62052-11 on “Electricity metering equipment (AC) General requirements tests and test conditions” and IEC62053-21 on “Static meters for active energy (classes 1 and 2)”.

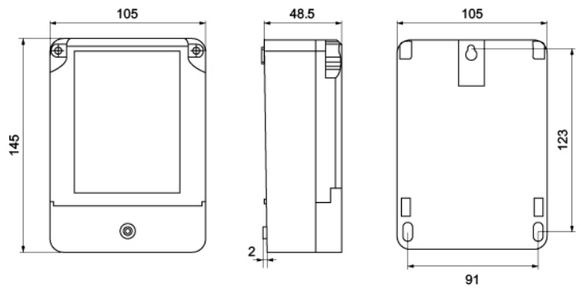
Features

◎ Measuring positive & negative active energy and display in LCD for step by step interval 3s.
◎ With Reverse LED to show wire reverse connection.
◎ Measuring active energy without calibration under long term operation
◎ Internal connection of current and voltage
◎ High reliability due to adopting high quality components

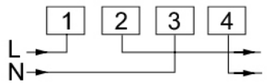
Technical Parameters

Specification	
Rate frequency	50 or 60 Hz
Rated current	10(40)A 5(60)A 10(60)A
Rate voltage	120V / 220V / 230V /240V
Normal voltage range	90%Un ~ 110%Un
Limits voltage range	70%Un ~ 120%Un
Accuracy	Class 1
Pulse constant	See meter
RS485 port	MODBUS-RTU protocol, 1200 ~ 9600bps,None parity, default 9600bps

Dimension & Wring Diagram



Connection Diagram



Terminal 11 and 12 is for RS485 port, 11A and 12B, Impusle 5+ 6-

J&R DESIGN 校对稿，不得商用！ www.jrcis.com

DDS608

Single Phase Electronic Energy Meter

J&R DESIGN www.jrcis.com

Application

The DDS608 type single phase electronic energy meter adopt exclusive use LSI, the device typifying new periphery component, simple structure, high reliability, low power consumption, long life etc, is suitable for the single phase AC active electric energy with rated frequency of 50Hz. The performance is in conformity with the technical requirements for Single-phase Electronic energy meter stipulated in IEC62053-21 Class 1 and 2 Static AC Active energy meter standard.



Features

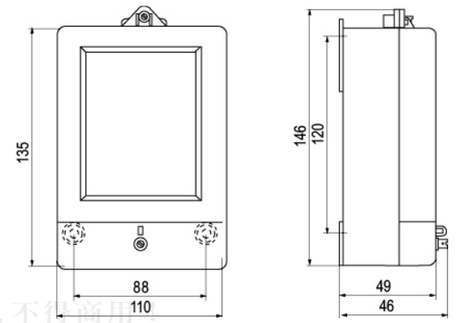
◎ Measure active electric energy, do not need calibrate for long-term operation;
◎ Adopt dedication meter age chip ADE7755;
◎ Adopt lasted electricity dedication integrated circuit including digital multiplier overseas, greatly improved dynamic working range of Meter, making 10 multiple actual overload;
◎ Have good mistake linearity in the range of 5%Ib~Imax;
◎ Few periphery component, simple structure, low power consumption;
◎ Adopt high reliablity and long life electronic component. So the Meter assume feature of high reliability and long life.
◎ Way of display: register、LCD、digital tube.
◎ Remote interruption of power supply function.
◎ Output interface RS485.



Technical Parameters

Specification	
Rated Current(A)	5(20), 5(30), 10(40), 10(50), 10(60), 15(60), 20(80)
Rated Voltage(V)	220 or 240
Rated Frequency(Hz)	50 or 60
Display	LCD, Register
Accuracy Class	Class 1

Dimension



J&R DESIGN 校对稿，不得商用！ www.jrcis.com

DDS1607

Single Phase Two Wire / Three wire Electronic Active Energy Meter

Application

Model DDS1607 single phase electronic active energy meter is a kind of new style single phase two wire active energy meter. It adopts micro-electronics technique, and imported large scale integrate circuit, uses advanced technique of digital and SMT techniques, etc. The meter completely accords with relevant technical requirements of class 1 single phase active energy meter stipulated in international standard IEC62053-21.





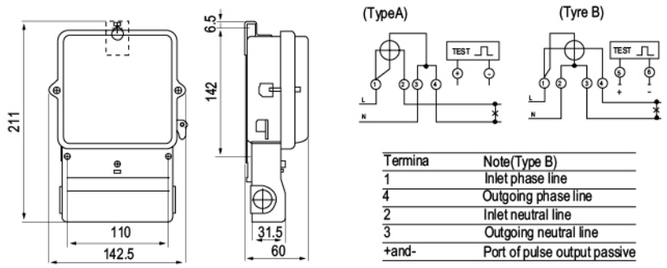
Features

- ◎ Bidirectional measurement, Reverse energy calculated into forward;
- ◎ Adopt the special chip of measurement ADE7755;
- ◎ Adopt the latest oversea electric energy special integration circuit, greatly improved dynamic working range of mete; to make the ability of actual overload up to over 10 times;
- ◎ Short / long terminal cover;
- ◎ Adopt high reliability and long life electronic components. So the meter assume feature of high reliability and long life.

Technical Parameters

Specification			
Accuracy	Active	Class1.0	
	Reactive	/	
Voltage	Rated	110/120/220/230/240V	
	Range	0.9Un~1.1Un	
	Limit	0.8Un~1.2Un	
Frequency		50/60Hz	
Current	Range	5(20), 5(30), 5(40), 5(60), 10(30), 10(60), 20(100)A	
Starting Current		0.4%Ib	
Constant	Active	1600imp/kWh	
	Reactive	/	
Display	Type	LCD	Register
	Digit	6+1/6+2	5+1
Power Consumption	Voltage Circuit	≤0.8W, 10VA	
	Current Circuit	≤4VA	
Communication	Interface	Optical/Infrared/RS485(Optional)	
	Protocol	MODBUS, DLT/645, IEC62053-21	
Temperature	Working Temperature	-25℃ ~+55℃	
	Storage Temperature	-40℃ ~+70℃	
Humidity		≤90%	
Protection		IP54	

Dimension & Wring Diagram



Termina	Note(Type B)
1	Inlet phase line
4	Outgoing phase line
2	Inlet neutral line
3	Outgoing neutral line
+and-	Port of pulse output passive

DDS1607

Single Phase Two Wire / Three wire Electronic Active Energy Meter

Application

Model DDS1607 single phase electronic active energy meter is a kind of new style single phase two wire active energy meter. It adopts micro-electronics technique, and imported large scale integrate circuit, uses advanced technique of digital and SMT techniques, etc. The meter completely accords with relevant technical requirements of class 1 single phase active energy meter stipulated in international standard IEC62053-21.





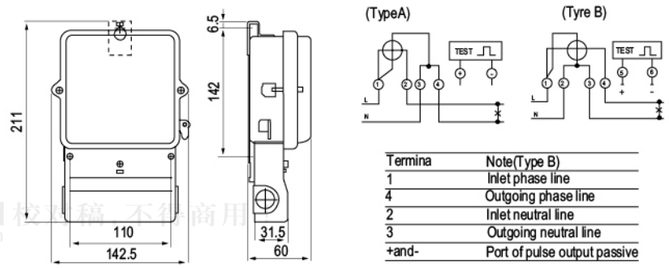
Features

- ◎ Bidirectional measurement, Reverse energy calculated into forward;
- ◎ Adopt the special chip of measurement ADE7755;
- ◎ Adopt the latest oversea electric energy special integration circuit, greatly improved dynamic working range of mete; to make the ability of actual overload up to over 10 times;
- ◎ Short / long terminal cover;
- ◎ Adopt high reliability and long life electronic components. So the meter assume feature of high reliability and long life.

Technical Parameters

Specification			
Accuracy	Active	Class1.0	
	Reactive	/	
Voltage	Rated	110/120/220/230/240V	
	Range	0.9Un~1.1Un	
	Limit	0.8Un~1.2Un	
Frequency		50/60Hz	
Current	Range	5(20), 5(30), 5(40), 5(60), 10(30), 10(60), 20(100)A	
Starting Current		0.4%Ib	
Constant	Active	1600imp/kWh	
	Reactive	/	
Display	Type	LCD	Register
	Digit	6+1/6+2	5+1
Power Consumption	Voltage Circuit	≤0.8W, 10VA	
	Current Circuit	≤4VA	
Communication	Interface	Optical/Infrared/RS485(Optional)	
	Protocol	MODBUS, DLT/645, IEC62053-21	
Temperature	Working Temperature	-25℃ ~+55℃	
	Storage Temperature	-40℃ ~+70℃	
Humidity		≤90%	
Protection		IP54	

Dimension & Wring Diagram



Termina	Note(Type B)
1	Inlet phase line
4	Outgoing phase line
2	Inlet neutral line
3	Outgoing neutral line
+and-	Port of pulse output passive

DDS1607

Single Phase Electronic Din-rail Active Energy Meter





Application

Model DDS1607 single phase electronic DIN rail active energy meter is a kind of new style single phase two wire active energy meter. It adopts micro-electronics technique, and imported large scale integrate circuit, use advanced technique of digital and SMT techniques, etc. The meter completely accords with relevant technical requirements of class 1 single phase active energy meter stipulated in international standard IEC62053-21.

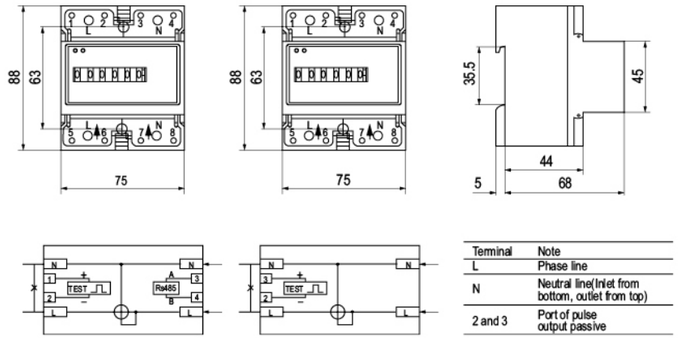
Features

- ◎ Measure active electric energy, do not need calibrate for long-term operation;
- ◎ Adopt the special chip of measurement ADE7755;
- ◎ Adopt the latest oversea electric energy special integration circuit, greatly improved dynamic woring range of mete to make the ability of actual overload up to over 10 times.
- ◎ Have good mistake linearity in the range of 5%Ib-Imax;
- ◎ Adopt high reliability and long life electronic components. So the meter assume feature of high reliability and long life.

Technical Parameters

Specification		
Accuracy	Active	Class1.0
	Reactive	/
Voltage	Rated	110/120/220/230/240V
	Range	0.9Un~1.1Un
	Limit	0.8Un~1.2Un
Frequency		50/60Hz
Current	Range	5(20), 5(30), 10(40), 10(50), 15(90), 20(100)
Starting Current		0.4%Ib
Constant	Active	800 imp/kWh, 1600imp/kWh
	Reactive	/
Display	Type	LCD / Register
	Digit	5+1/6+1
Power Consumption	Voltage Circuit	≤0.8W, 10VA
	Current Circuit	≤4VA
Communication	Interface	Optica/Infrared/RS485(Optional)
	Protocol	MODBUS, DLT/645, IEC1107
Temperature	Working Temperature	-45℃ ~+55℃
	Storage Temperature	-40℃ ~+70℃
Humidity		≤90%
Protection		IP54

Dimension & Wring Diagram



J&R DESIGN 校对稿，不得商用！ www.jrcis.com

DDS1607L

Single Phase Din Rail LCD Display Energy Meter





Application

Model DDS1607L single phase electronic DIN rail active energy meter is a kind of new style single phase two wire active energy meter. It adopts micro-electronics technique, and imported large scale integrate circuit, use advanced technique of digital and SMT techniques, etc. The meter completely accords with relevant technical requirements of class 1 single phase active energy meter stipulated in international standard IEC62053-21.

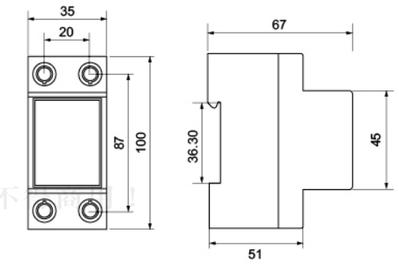
Features

- ◎ Measure active electric energy, do not need calibrate for long-term operation;
- ◎ Adopt the special chip of measurement ADE7755;
- ◎ Adopt the latest oversea electric energy special integration circuit, greatly improved dynamic woring range of mete to make the ability of actual overload up to over 10 times.
- ◎ Have good mistake linearity in the range of 5%Ib-Imax;
- ◎ Adopt high reliability and long life electronic components. So the meter assume feature of high reliability and long life.

Technical Parameters

Specification	
Voltage AC(Un)	220
Voltage range	200 to 260
Base(Ib)	10A
Max(Imax)	80A
Starting current (mA)	0.4% of Ib
Power consumption of current	≤2W / 10VA pre phase
Frequency(Hz)	50(±10%)
Pulse constant	1.0
Standards	IEC 62052-11, IEC 62053-21
Memory back-up	EEPROM
Upper	Polycarbonate
Lower	Polycarbonate / glass fiber
Operating	-25℃ to +55℃
Storing	-30℃ to +70℃
Operating	75%
Storing	95%
Protection against penetration of dust and water	IP51
Insulating encased meter of protective class	II
AC voltage withstand	2kV for 1 minute
Impulse voltage withstand	6kV-1.2uS waveform
Current withstand	30Imax for 0.01s
Pulse output rate	1600imp/kWh
Data stored	More than 20 years when power off

Dimension



J&R DESIGN 校对稿，不得商用！ www.jrcis.com

DDS1607-2

Single Phase Electronic Din-rail Active Energy Meter





Application

Model DDS1607-2 single phase electronic DIN rail active energy meter is a kind of new style single phase two wire active energy meter. It adopts micro-electronics technique, and imported large scale integrate circuit, use advanced technique of digital and SMT techniques, etc. The meter completely accords with relevant technical requirements of class 1 single phase active energy meter stipulated in international standard IEC62053-21.

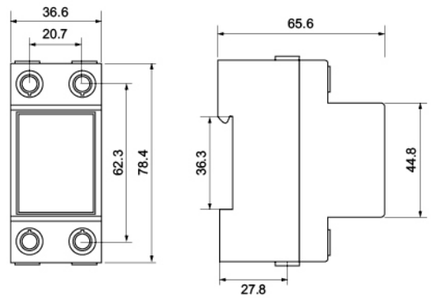
Features

- ◎ Measure active electric energy, do not need calibrate for long-term operation;
- ◎ Adopt the special chip of measurement ADE7755;
- ◎ Adopt the latest oversea electric energy special integration circuit, greatly improved dynamic
- ◎ woring range of mete to make the ability of actual overload up to over 10 times.
- ◎ Have good mistake linearity in the range of 5%Ib-Imax;
- ◎ Adopt high reliability and long life electronic components. So the meter assume feature of high reliability and long life.

Technical Parameters

Specification	
Standard	IEC 62052-11, IEC 62053-21
Display	LCD
Energy (kWh)	5+1
Voltage	220V
Current	5(60)A
Precision	Class 1
Item Display	Ampere, Voltage , kWh, Hz , Power factor
Type	Direct Access

Dimension



J&R DESIGN 校对稿，不得商用！
www.jrcis.com

DTS1607L

Three Phase Four Wires Din Rail Energy Meter LCD Display

J&R DESIGN 校对稿，不得商用！
www.jrcis.com





Application

Model DTS1607L three phase four wire electronic DIN rail active energy meter is a kind of new style three phase four wire active energy meter. It adopts micro-electronics technique and imported large scale integrate circuit, use advanced technique of digital and SMT techniques, etc. The meter completely accords with relevant technical requirements of class 1 three phase active energy meter stipulated in international standard IEC62053-21. It can accurately and directly measure 50Hz or 60Hz active energy consumption from three phase four wire AC electricity net. It can display total energy consumption by step and motor type impulse register.

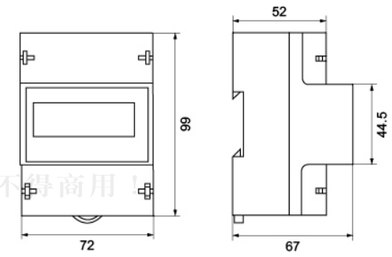
Features

- ◎ Phase loss with 3×LED display for L1, L2, L3
- ◎ Pulse display with 2×LED display for pulse & reverse
- ◎ Reverse direction display with LED
- ◎ Small modular size, DIN rail mounted.
- ◎ Easy installation to distribution boards, load center, miniature etc. by identifying where energy is being used.

Technical Parameters

Specification	
Voltage AC(Un)	3*230/400
Voltage range	3*161/279 to 300/500
Base(Ib)	5A
Max(Imax)	80A
Starting current (mA)	0.4% of Ib
Power consumption of current	≤2W / 10VA pre phase
Frequency(Hz)	50(±10%)
Pulse constant	1.0
Standards	IEC 62052-11, IEC 62053-21
Memory back-up	EEPROM
Upper	Polycarbonate
Lower	Polycarbonate / glass fiber
Operating	-25℃ to +55℃
Storing	-30℃ to +70℃
Operating	75%
Storing	95%
Protection against penetration of dust and water	IP51
Insulating encased meter of protective class	II
AC voltage withstand	2kV for 1 minute
Impulse voltage withstand	6kV-1.2uS waveform
Current withstand	30Imax for 0.01s
Pulse output rate	400imp/kWh
Data stored	More than 20 years when power off

Dimension



DTS1607

Three phase Electronic Din rail Active Energy Meter



Application

Model DTS1607 three phase four wire electronic DIN rail active energy meter is a kind of new style three phase four wire active energy meter. It adopts micro-electronics technique and imported large scale integrate circuit, use advanced technique of digital and SMT techniques, etc. The meter completely accords with relevant technical requirements of class 1 three phase active energy meter stipulated in international standard IEC62053-21. It can accurately and directly measure 50Hz or 60Hz active energy consumption from three phase four wire AC electricity net. It can display total energy consumption by step and motor type impulse register.

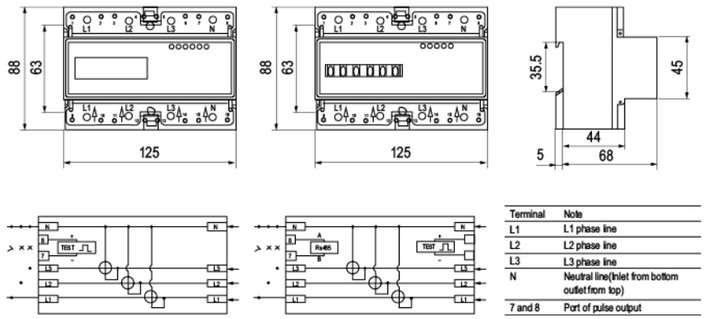
Features

- ◎ Phase loss with 3×LED display for L1, L2, L3
- ◎ Pulse display with 2×LED display for pulse & reverse
- ◎ Reverse direction display with LED
- ◎ Small modular size, DIN rail mounted.
- ◎ Easy installation to distribution boards, load center, miniature etc. by identifying where energy is being used.

Technical Parameters

Specification		
Accuracy	Active	Class1.0
	Reactive	optional
Voltage	Rated	3×57.7/100V, 3×220/380V 3×230/400V, 3×240/415V
	Range	0.9Un~1.1Un
	Limit	0.8Un~1.2Un
Frequency		50/60Hz
Current	Range	3×1.5(6), 3×5(30), 3×10(50), 3×15(60), 3×20(100), 3×5(40), 3×10(100)A
Starting Current		0.4%Ib
Constant	Active	400 imp/kWh, 800 imp/kWh, 1600imp/kWh
	Reactive	/
Display	Type	LCD / Register
	Digit	5+1/6+1
Power Consumption	Voltage Circuit	≤0.8W, 10VA
	Current Circuit	≤4VA
Communication	Interface	Optica/Infrared/RS485(Optional)
	Protocol	MODBUS, DLT/645, IEC1107
Temperature	Working Temperature	-45℃ ~+55℃
	Storage Temperature	-40℃ ~+70℃
Humidity		≤90%
Protection		IP54

Dimension & Wring Diagram



Terminal	Note
L1	L1 phase line
L2	L2 phase line
L3	L3 phase line
N	Neutral line(Inlet from bottom outlet from top)
7 and 8	Port of pulse output

J&R DESIGN 校对稿，不得商用！ www.jrcis.com

DDS862

Single Phase Electronic Active Energy Meter



Application

DDS862 is designed to measure single phase two wire AC active energy. It adopt LSI and SMT technology. The key components are long life international brand product. All of its functions comply with the relative technical requirement for class 1 single phase watt hour meter in IEC62053-21. It is a long life meter with the advantage of high stability, high overload capability, low power loss and compact size.

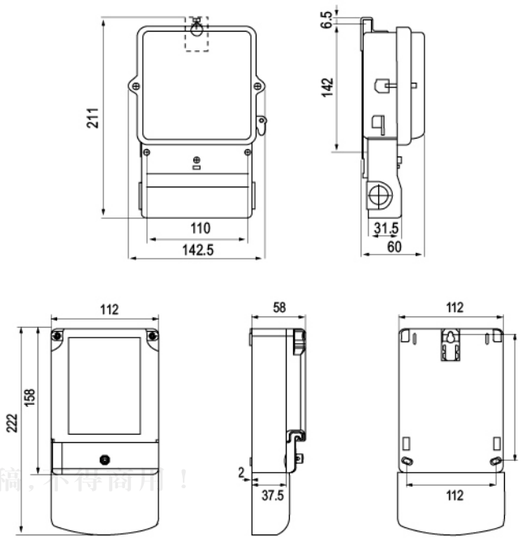
Features

- ◎ Register display 5+1 kWh
- ◎ Bidirectional total active energy, reverse active energy measure in the total active energy
- ◎ Pulse LED indicates working of meter. Pulse output with optical coupling isolation
- ◎ Reverse LED indicates current reverse

Technical Parameters

Specification	
Rate voltage	110V, 120V, 220V, 230V, 240V
Working voltage range	0.8~1.2Un
Rate Current	5(20)A, 5(30)A, 10(40)A, 10(60)A, 15(60)A, 20(80)A
Frequency	50Hz or 60Hz
Connection mode	CT type or Direct type
Display	Mechanical step register or LCD
Accuracy class	1.0
Power consumption	<2W/10VA
Start current	0.004Ib
Constant	800~6400imp/kWh
Pulse output	Passive pulse, puise width is 80+5 ms
Executive standard	IEC61036, IEC62053-21, IEC62052-11
Work temperature	-30℃ ~70℃

Dimension



J&R DESIGN 校对稿，不得商用！ www.jrcis.com

DDS9999
Single Phase Electronic Energy Meter





Application

The DDS9999 type single phase electronic energy meter adopt exclusive use LSI, the device typifying new periphery component, simple structure, high reliability, low power consumption, long life etc, is suitable for the single phase AC active electric energy with rated frequency of 50Hz. The performance is in conformity with the technical requirements for Single-phase Electronic energy meter stipulated in IEC62053-21 Class 1 and 2 Static AC Active energy meter standard.

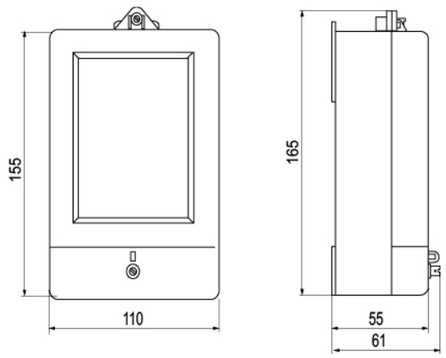
Features

◎ Measure active electric energy, do not need calibrate for long-term operation;
◎ Adopt dedication meter age chip ADE7755;
◎ Adopt lasted electricity dedication integrated circuit including digital multiplier overseas, greatly improved dynamic working range of Meter, making 10 multiple actual overload;
◎ Have good mistake linearity in the range of 5%Ib~Imax;
◎ Few periphery component, simple structure, low power consumption;
◎ Adopt high reliablity and long life electronic component. So the Meter assume feature of high reliability and long life.
◎ Way of display: register、LCD、digital tube.
◎ Remote interruption of power supply function.
◎ Output interface RS485.

Technical Parameters

Specification	
Rated Current(A)	5(20), 5(30), 10(40), 10(60), 15(60), 20(80), 30(100)
Rated Voltage(V)	220 or 240
Rated Frequency(Hz)	50 or 60
Display	LCD, Register
Accuracy Class	Class 1

Dimension



DTS9999
Three Phase Four Wire Electronic Active Energy Meter





Application

DTS9999 three phase four wire electronic active energy meter with Register or LCD display. It is used to measure 50Hz or 60Hz active energy consumption from three phase four wire AC electricity network. The meter adopts LSI (Large-scale Integration) and SMT manufacturing technique. The key components and parts all adopt long life type. The meter is widely used in office buildings, shopping malls, residences, airports and metro, etc.

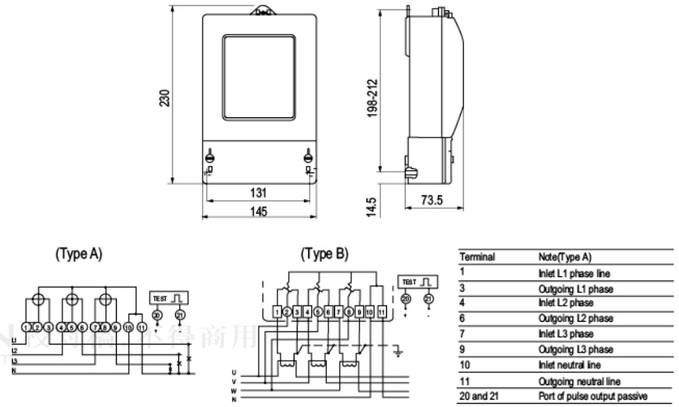
Features

◎ Bidirectional measurement
◎ Indication: power, reverse current, phase failure

Technical Parameters

Specification			
Accuracy	Active	Class1.0	
	Reactive	Optional	
Voltage	Rated	3×57.7/100V, 3×220/380V 3×230/400V, 3×240/415V	
	Range	0.9Un~1.1Un	
	Limit	0.8Un~1.2Un	
Frequency		50/60Hz	
Current	Range	1.5(6), 5(30), 5(40), 10(50), 15(60), 15(90), 30(100), 30(120)	
Starting Current		0.4%Ib	
Constant	Active	400 imp/kWh, 800 imp/kWh, 1600imp/kWh	
	Reactive	/	
Display	Type	LCD	Register
	Digit	5+1	
Power Consumption	Voltage Circuit	≤0.8W, 10VA	
	Current Circuit	≤4VA	
Communication	Interface	Optica/Infrared/RS485(Optional)	
	Protocol	MODBUS, DLT/645, IEC1107	
Temperature	Working Temperature	-45℃~+55℃	
	Storage Temperature	-40℃~+70℃	
Humidity		≤90%	

Dimension & Wring Diagram



Terminal	Note(Type A)
1	Inlet L1 phase line
3	Outgoing L1 phase
4	Inlet L2 phase
6	Outgoing L2 phase
7	Inlet L3 phase
9	Outgoing L3 phase
10	Inlet neutral line
11	Outgoing neutral line
20 and 21	Port of pulse output passive

J&R DESIGN 校对稿，不得商用！ www.jrcis.com

CA168

Single Phase Prepayment Keypad Electricity Meter





Application

The CA168 type is used for a wide range of applications, due to an improved dynamic range allowing a basic current of 5 Amp while retaining a maximum current of 80 Amp and extended functional features. It is a compact and keypad-based design in a BS8565 standard housing and maintains the rugged RF immunity with-stand of 30V/m and IP54 rating, allowing it to be installed in harsh environments.

Main Features

- ◎ 20 digit (Standard Transfer Specification) STS encryption
- ◎ Detection of significant reverse energy (SRE)
- ◎ IEC62056-21 compliant optical port allowing for easy data interrogation
- ◎ Disconnects on overload and no credit
- ◎ Operate in both prepayment and credit mode hot swap
- ◎ Programmable load limit and low credit warning
- ◎ Detection and record tamper event such as opening cover, reverse connection, black-out

AMR/AMI Smart Metering Function (on request)

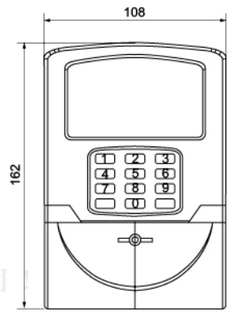
- ◎ Easy connection to User Interface Unit (UIU) for split type applications
- ◎ PLC/ RF communication with a head-end AMR/AMI server
- ◎ Time of Use (TOU), multi-tariff, holiday setting.
- ◎ Advanced load control and disconnection features

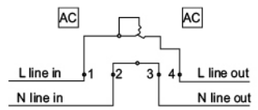
J&R DESIGN 校对稿，不得商用！
www.jrcis.com

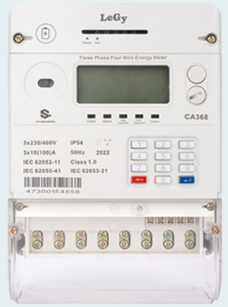
Technical Parameters

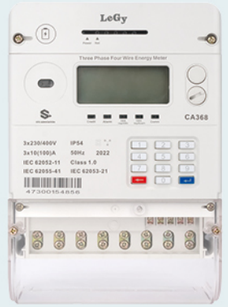
Specification	
Voltage	
Nominal voltage Un	230V
Limited voltage	70%~120%Un
Frequency	
Nominal frequency fn	50-60Hz
Tolerance	5%
Current	
Basic current(Ib)	5A
Maximum current(Imax)	60A (100A optional)
Starting current(Ist)	20mA
Active energy constant	1000imp/kWh
Measurement Accuracy	
Active energy to IEC62053-21	Class1.0
Burden	
Voltage circuit	<2W <8VA
Current circuit	<1VA
Temperature range	
Operation meter	-25℃ to+70℃
Storage	-40℃ to+85℃
Insulation	
Insulation level	4kV rms 1min
Voltage impulse withstand	8kV 1.2/50 μs
Insulation System Classification	Protective Class II
Electro Magnetic Compatibility	
Electrostatic discharges	
27MHz to 500MHz typical	10V/m
100kHz to 1GHz typical	30V/m
Fast transient burst test	4kV
Mechanical requirements	
Meter shell Protection Rate	IP54
Insulation System Classification	Protective Class II
Maximum cable size	8 mm

Dimension & Wring Diagram









CA368

Three Phase Keypad Prepayment Electricity Meter

Application

The CA368 offers options for extended surge protection for lightening up to 13kV and a wide voltage working range -50% ~ +130%. It is intended for unstable grid voltage environment such as African and Central American continent where brownouts and voltage dips are extremely frequent. The meter works in a three phase four wire network with 100 Amp per phase, and 30 Vm withstand of RF immunity, allowing it to operate in very severe environments. It is a perfect revenue protection device for sub-metering of residential, light commercial and industrial applications.

Split Configuration for Increased Revenue Protection

The meter consists of two parts, the MCU (Metering & Control Unit) and UIU (User Interface Unit). The MCU and UIU is linked via galvanically-isolated 2-wire communication cable or Radio Frequency (RF) communication is also available on request.

The UIU is installed within consumer's home for prepaid token input and info inquiry, while MCU is installed in a meter cabinet away from consumers.

J&R DESIGN 校对稿，不得商用！
www.jrcis.com

Main Features

- ◎ 20 digit (Standard Transfer Specification) STS encryption
- ◎ DLMS / COSEM standards compliant
- ◎ Connect with the backend platform by GPRS, built-in pluggable GPRS module
- ◎ Disconnects on overload and no credit
- ◎ Programmable power limit and low credit warning
- ◎ Tamper detection and event record such as opening cover, reverse connection, black-out
- ◎ Maximum demand measurement and load profiling (on request)

Utility Benefit

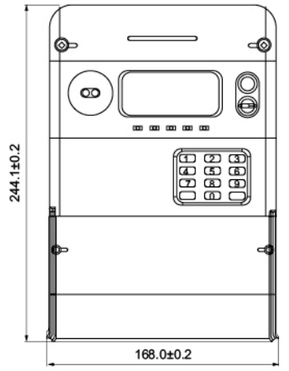
- ◎ Easy and quick to install with no need of extra communication devices
- ◎ Input payment control elements, such as emergency unit, tariff, free basic unit, repayment, fixed charge, VAT etc.
- ◎ 4 tariffs /8 time divisions /100 holidays usage recorded on TOU basis
- ◎ Flexible AMR AMI setup
- ◎ Support Plug-in GPRS module

J&R DESIGN 校对稿，不得商用！
www.jrcis.com

Technical Parameters

Specification	
Nominal voltage Un	3×240V
Limited voltage	60%~120%Un
Frequency	50/60Hz±5%
Basic current(Ib)	10A
Maximum current(Imax)	100A
Starting current(Ist)	30mA
Active energy constant	400imp/kWh
Accuracy	
Active energy IEC62053-21	Class1.0
Reactive energy IEC62053-23	Class2.0
Burden	
Voltage circuit	<2W <8VA
Current circuit	<1VA
Temperature range	
Operation meter	25℃ to+70℃
Storage	40℃ to+85℃
Insulation strength	
Insulation level	4kV,1min
Voltage Impulse withstand	8kV, 1.2/50μs
Electro Magnetic Compatibility	
Electrostatic discharges	
Contact discharge	8kV
Air discharge	16kV
Electromagnetic RF fields	
27MHz to 500MHz typical	10V/m
100kHz to 1GHz typical	30V/m
Fast transient burst test	4kV
Mechanical requirements	
Protection Rating	IP54
Insulation Classification	Protective Class II
Maximum cable size	10 mm

Dimension & Wring Diagram



J&R DESIGN 校对稿，不得商用！
www.jrcis.com

DDSY1607
Single Phase Electronic Pre-Paid Energy Meter





Application

The DDSY1607 type single phase electronic pre-paid energy meter is developed on the base of excellent single phase electronic energy meter. It is a new type of IC card pre-paid meter, which has such function as power metering, load control and customer information management. It is an ideal product when reforming electric-use system, achieving electrical energy to commercialize, setting charge and adjusting load stage in the electric network. All the indexes comply with the technological specifications aiming to the single phase electronic pre-paid energy meter in the standard of IEC62053 Class 1 and 2 Static A.C Active energy meter.

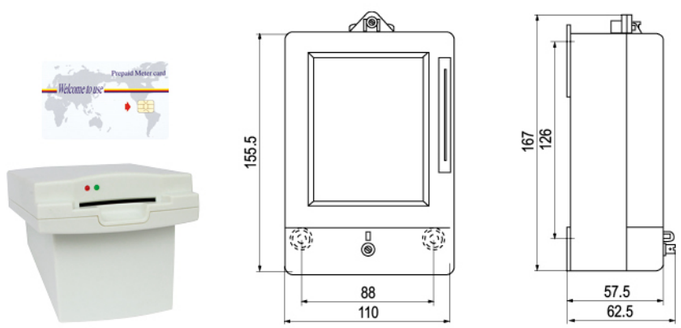
Features

◎ Active single phase electric power metering, no subject to adjust in terms of long working;
◎ Each user(meter) responds to a card, well protect from forgery;
◎ Once the remaining electric power quality is approaching the alarming power quality, the digital tube should be lighted to remind user of timely purchasing;
◎ Once the electric consumption available is out, it should be auto cut-off;
◎ Protect from power theft and recording the information auto;
◎ Auto cut-off for overload;
◎ Date-copying function make the electricity department easier to manage;
◎ The meter has the feature of long-using-life, high-reliable;
◎ The IC card power selling control system has the function as power selling and using control;
◎ Expansible RS485.

Technical Parameters

Specification	
Rated Current(A)	5(20), 5(30), 10(40), 10(60), 15(60), 20(100)
Rated Voltage(V)	220 or 240
Rated Frequency(Hz)	50 or 60
Accuracy Class	Class 1

Dimension



J&R DESIGN 校对稿，不得商用！
www.jrcis.com

DTSY1607
Three-Phase Electronic Pre-Paid Energy Meter





Application

DTSY1607 type three-phase electronic pre-paid energy meter is a new type of IC card pre-paid time-sharing meter, which has such function as power time-sharing metering, load control and customer information management. It is an ideal product when reforming electric-use system, achieving electric network. All the indexes comply with the technological specifications aiming to the three-phase electronic pre-paid time-sharing energy meter in the standard of IEC62053.

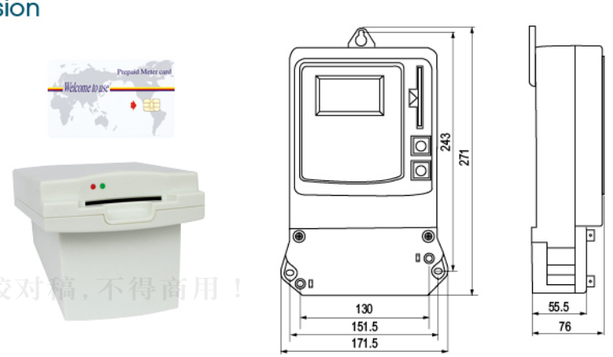
Features

◎ Measure three-phase active electric energy, do not need calibrate for long-term operation;
◎ Three-phase power supply can assure accurate metering in case of cut off in one line (each line of the three-phase & three-wire) or two wires(any two wires of the three-phase & four-wire);
Indicative function for phase loss or voltage indication;
◎ Each meter responds to a card, well protection from forgery;
◎ Once the remaining electric power quality is approaching the alarming power quality, the digital
◎ tube should be lighted to remind user of timely purchasing;
Once the electric consumption available is out, it should be auto cut-off;
◎ Auto cut-off for overload and convenient for electric department actualize add the capability;
◎ The relay has feature of high power and low consumption;
◎ Date-copying function make the electricity department easier to manage;
◎ The IC card power selling control system has the function as power selling and using control;
◎ Each of four periods has different rates(point period, peak period, smooth period and trough period).
◎ Every period of time can be programmed into 10 periods of time and the minimum time interval is one minute;
The energy meter displays the electric quantity via digital-tube, there are six digits in total, five digits are
◎ integration and one digit is decimal. There are six digits are integration copying to the hand computer and 485;
All the data were protected from the password and the hardware;
◎ Read the data directly via LED;
◎ The meter has a reliable clock. The life of the clock is as long as the battery when the low backup
◎ current (less than 0.5ηA).

Technical Parameters

Specification	
Rated Current(A)	3×1.5(6), 3×5(20), 3×10(40), 3×15(60), 3×20(80), 3×30(100)
Rated Voltage(V)	Three-phase Four-wire 3×220/380V or 3×57.7/100V Three-phase Three-wire 3×100VA or 3×380V
Rated Frequency(Hz)	50 or 60
Accuracy Class	Class 1 or Class 2
Clock Error	≤0.5sec/ per day(reference temperature); ≤1.0sec/ per day(the backup lithium battery working time).
Battery	Imported lithium battery; Voltage: 3.0 or 3.6V; Capacitance ≥1000mAh

Dimension



J&R DESIGN 校对稿，不得商用！
www.jrcis.com

DTSD1607

Electronic Three-Phase Multi-Function Energy Meter





Product Brief Introduction

DTSD1607 three phase four wire electronic multifunction energy meter is a kind of new style three phase four wire multifunction energy meter. The meter completely accord with relevant technical requirements of class 1 three phase active energy meter stipulated in international standard IEC62053-21 and class 1 three phase reactive energy meter in international standard IEC62053-23. It can accurately and directly measure 50Hz or 60Hz active energy consumption from three phase four wire AC electricity network. This meter has LCD monitors shows the active energy power consumption, and there are far infrared and RS485 communication module in it. It has following features: good reliability, small volume, light weight, specious nice appearance, convenient installation, etc.

Features

◎ Measure forward direction, reverse direction and 4 quadrants reactive power and max demand, the time of max demand occurs.
◎ Split phase power measuring.
◎ 4 rates, 4 time zones, 6 time period, 10 day time,12 public holidays.
◎ Record loss voltage, loss current.
◎ The data can be congeal auto and record data of 12 months.
◎ The active forward & reverse direction and the reactive 4 quadrants output via pulse. The pulse width can be setup by controller or RS485.
◎ The infrared controller will display the item.
◎ The lineate communication and the infrared wireless communication are accord to DLT645-1997.
It can be mounted the meter key stoke-display or circule-display when power is off. All the data
◎ can be setup by controller of software.
Recording affairs parameters function.
◎ Meter reading function at power off.
◎ Recording the load.
◎ It is easier of electric department centralized management.
◎ Alarming over load function.
◎ Transformer magnification can be setup.
◎ All the data and information can be displayed via LCD.
◎ Measuring the voltage, current, power of the each meter all the time.
◎ It has the recording feature of loss voltage, loss current, coincidence rate of the voltage power
◎ off, programmer, adjust the time and so on.
It has the function of program forbid and demand replacement.
◎ Power break awakening function.
◎ Two sets of Battery, one (3.6V) is used for keeping data, and another (6V) is used for copying.
◎ They are easier to change.

Technical Parameters

Specification	
Rated Current(A)	3×1.5(6), 3×5(20), 3×10(40), 3×15(60), 3×20(80), 3×30(100)
Rated Voltage(V)	Three-phase Three-wire 3×100V or 3×380V Three-phase Four-wire 3×220/380V or 3×57.7/100V
Rated Frequency(Hz)	50 or 60
Accuracy Class	Active: 0.5、Reative:1.0 or Active:1.0、Reactive:2.0
Clock Error	≤0.5sec/ per day(reference temperature); ≤1.0sec/ per day(the backup lithium battery working time).
Battery	Imported lithium battery voltage: 3.0 or 3.6V; Capacitance>1000mAh; 1200bps~19200bps; It has the program both in insider and outside; Update the date per 0.01 degree; Two sets of battery keep the clock and relative date; Setup the alarm data of the battery; Loss and press blanking timing and electric consumption rate switches over time in the minimum interval for one minute.

DD862

Single Phase Electromechanical Active Energy Meter





Application

DD862 single phase electromechanical meter fully absorb new technologies about electromechanical meter from domestic and abroad. The meter completely accord with relevant technical requirements of class 2 single phase active energy meter stipulated in international standard IEC62053-11. It can accurately and directly measure 50Hz or 60Hz active energy consumption from single phase AC electricity network. It is use for setting indoor or outdoor or outdoor meter box. The meter has novel design, rational structure and it can display total energy consumption by drum wheel mechanical counter. It has following features: High overload, power loss, long-life, specious appearance, etc.

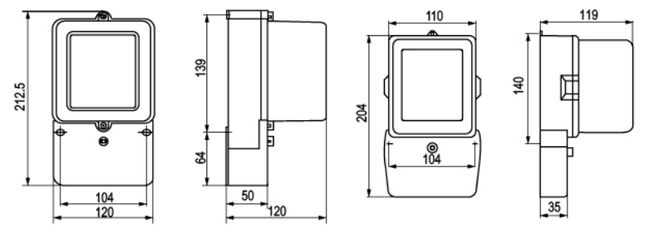
Features

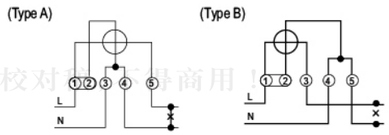
◎ Sub-closed iron core;
◎ The die-casting frame is made of alloy aluminum, to assure the magnetic line stably and reliably;
◎ Meter bearing has three kinds, may select dual jewel, magnetic thrust or magnetic float;
◎ May select 5+1 digits or 5 digits register;
◎ May select 5 kinds of cases: bakelite, PC, ABS plastic, glass and aluminium.

Technical Parameters

Specification		
Accuracy	Active	Class2.0
Voltage	Rated	110/120/220/230/240V
	Range	0.9Un~1.1Un
	Limit	0.8Un~1.2Un
Frequency		50/60Hz
Current	Range	5(20)A,10(40)A, 15(45)A, 15(60)A, 20(80)A, 30(100)A
Starting Current		0.4%Ib
Constant	Active	/
Display	Type	Register
	Digit	5/5+1
Power Consumption	Voltage Circuit	≤1.2W, 6VA
	Current Circuit	≤0.6VA
Temperature	Working Temperature	-45℃ ~+55℃
	Storage Temperature	-40℃ ~+70℃
Humidity		≤90%

Dimension & Wring Diagram





Terminal	Note(Type A)
1	Inlet phase line
3	Inlet neutral line
4	Outgoing neutral line
5	Outgoing phase line

DD862

Single Phase Electromechanical Active Energy Meter





Application

DD862 single phase electromechanical meter fully absorb new technologies about electromechanical meter from domestic and abroad. The meter completely accord with relevant technical requirements of class 2 single phase active energy meter stipulated in international standard IEC62053-11. It can accurately and directly measure 50Hz or 60Hz active energy consumption from single phase AC electricity network. It is use for setting indoor or outdoor or outdoor meter box. The meter has novel design, rational structure and it can display total energy consumption by drum wheel mechanical counter. It has following features: High overload, power loss, long-life, specious appearance, etc.

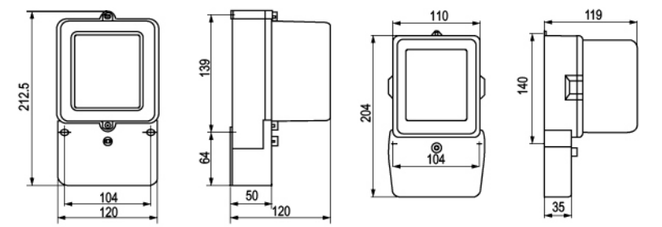
Features

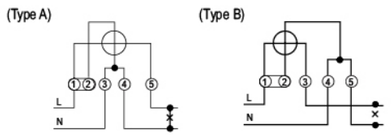
- Sub-closed iron core;
- The die-casting frame is made of alloy aluminum, to assure the magnetic line stably and reliably;
- Meter bearing has three kinds, may select dual jewel, magnetic thrust or magnetic float;
- May select 5+1 digits or 5 digits register;
- May select 5 kinds of cases: bakelite, PC, ABS plastic, glass and aluminium.

Technical Parameters

Specification		
Accuracy	Active	Class2.0
Voltage	Rated	110/120/220/230/240V
	Range	0.9Un~1.1Un
	Limit	0.8Un~1.2Un
Frequency		50/60Hz
Current	Range	5(20)A,10(40)A, 15(45)A, 15(60)A, 20(80)A, 30(100)A
Starting Current		0.4%Ib
Constant	Active	/
Display	Type	Register
	Digit	5/5+1
Power Consumption	Voltage Circuit	≤1.2W, 6VA
	Current Circuit	≤0.6VA
Temperature	Working Temperature	-45℃ ~+55℃
	Storage Temperature	-40℃ ~+70℃
Humidity		≤90%

Dimension & Wring Diagram





Terminal	Note(Type A)
1	Inlet phase line
3	Inlet neutral line
4	Outgoing neutral line
5	Outgoing phase line

DT862

Three Phase Electromechanical Active Energy Meter





Application

Model DT862 three phase electronmechanical meter is fully absorb new technologies about electromechanical meter from domestic and abroad. The meter completely accord with relevant technical requirements of class 2 three phase active energy meter stipulated in international standard IEC62053-11. It can accurately and directly measure 50Hz or 60Hz active energy consumption from three phase four wire AC electricity network. It use for setting indoor or outdoor meter box. The meter has novel design, rational structure and it can display total energy consumption by drum wheel mechanical counter. It has following features: High overload, power loss, long-life, specious appearance, etc.

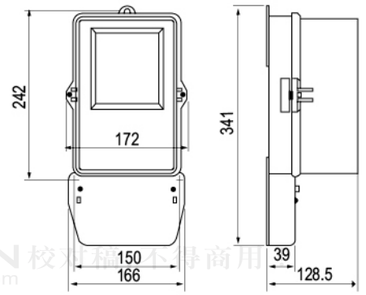
Features

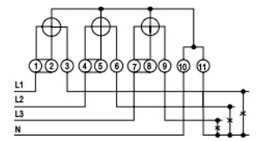
- The meter has sub-closed iron core structure;
- 5+1 digits register or 5 digit register with anti-reverse device;
- The bearing has three kinds: dual-jewel, magnetic thrust and magnetic floating;
- Alloy aluminum, ABS plasic, PC frame;
- Double insulation voltage components and current coil;
- Direct connect operation or input through CT.

Technical Parameters

Specification		
Accuracy	Active	Class2.0
Voltage	Rated	110/120/220/230/240V
	Range	0.9Un~1.1Un
	Limit	0.8Un~1.2Un
Frequency		50/60Hz
Current	Range	CT: 3×1(2)A, 3×3(6)A, 3×1.5(6)A Direct: 3×5(20)A, 3×10(40)A, 3×15(60)A, 3×20(80)A, 3×30(100)A
Starting Current		0.4%Ib
Constant	Active	/
	Reactive	/
Display	Type	Register
	Digit	5/5+1
Power Consumption	Voltage Circuit	≤1.0W, 4.5VA
	Current Circuit	≤0.5VA
Temperature	Working Temperature	-45℃ ~+55℃
	Storage Temperature	-40℃ ~+70℃
Humidity		≤90%
Protection		IP54

Dimension & Wring Diagram





Terminal	Note
1	Inlet L1 phase line
3	Outgoing L1 phase line
4	Inlet L2 phase line
6	Outgoing L2 phase line
7	Inlet L3 phase line
9	Outgoing L3 phase line
10	Inlet neutral line
11	Outgoing neutral line

DT862

Three Phase Four Wire Electromechanical Active Energy Meter





Application

Model DT862 three phase electronmechanical meter is fully absorb new technologies about electromechanical meter from domestic and abroad. The meter completely accord with relevant technical requirements of class 2 three phase active energy meter stipulated in international standard IEC62053-11. It can accurately and directly measure 50Hz or 60Hz active energy consumption from three phase four wire AC electricity network. It use for setting indoor or outdoor meter box. The meter has novel design, rational structure and it can display total energy consumption by drum wheel mechanical counter. It has following features: High overload, power loss, long-life, specious appearance, etc.

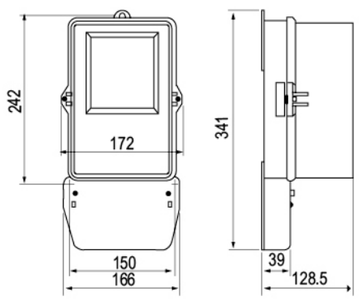
Features

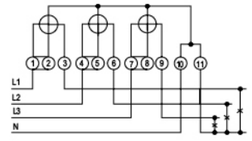
- ◎ The meter has sub-closed iron core structure;
- ◎ 5+1 digits register or 5 digit register with anti-reverse device;
- ◎ The bearing has three kinds: dual-jewel, magnetic thrust and magnetic floating;
- ◎ Bakelite body, ABS plasic, PC frame;
- ◎ Double insulation Voltage components and current coil;
- ◎ Direct connect operation or input through CT.

Technical Parameters

Specification		
Accuracy	Active	Class2.0
Voltage	Rated	110/120/220/230/240V
	Range	0.9Un~1.1Un
	Limit	0.8Un~1.2Un
Frequency		50/60Hz
Current	Range	CT: 3×1(2)A, 3×3(6)A, 3×1.5(6)A Direct: 3×5(20)A, 3×10(40)A, 3×15(60)A, 3×20(80)A, 3×30(100)A
Starting Current		0.4%Ib
Constant	Active	/
	Reactive	/
Display	Type	Register
	Digit	5/5+1
Power Consumption	Voltage Circuit	≤1.0W, 4.5VA
	Current Circuit	≤0.5VA
Temperature	Working Temperature	-45℃ ~+55℃
	Storage Temperature	-40℃ ~+70℃
Humidity		≤90%
Protection		IP54

Dimension & Wring Diagram





Terminal	Note
1	Inlet L1 phase line
3	Outgoing L1 phase line
4	Inlet L2 phase line
6	Outgoing L2 phase line
7	Inlet L3 phase line
9	Outgoing L3 phase line
10	Inlet neutral line
11	Outgoing neutral line

DDS1607

Single Phase ANSI Socket Energy Meter





Application

DDS1607 Single phase ANSI socket energy meter, outdoor application, intended for residential customers. It could proceed basic set and test for meter by Infrared communication and through RS485 communication. It could proceed remote control for meter, including read all meter date and set meter.

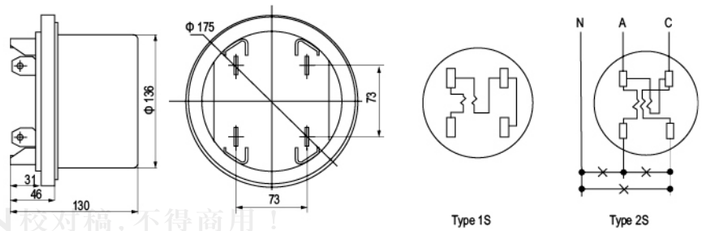
Features

- ◎ Kwh/MD/V/A display, Back-up battery
- ◎ Comply with ANSI C12.1/ANSI C12.10/ANSI C12.18/ANSI C12.19/ANSI C12.20
- ◎ Maximum demand measurement and resetting
- ◎ Bidirectional measurement, reverse energy calculated into forward
- ◎ Current flow direction indication
- ◎ LCD simulation disk

Technical Parameters

Specification			
Accuracy	Active	Class1.0	
Voltage	Rated	120/240V	
	Range	0.9Un~1.1Un	
	Limit	0.8Un~1.2Un	
Frequency		50/60Hz	
Current	Range	CL100, CL200	
Starting Current		0.4%Ib	
Constant	Active	Kh1.0/Kh1.6/Kh2.0	
Form		1S	2S
Display	Type	LCD	
	Digit	5+0/5+1/6+1	
Power Consumption	Voltage Circuit	≤1.5W	
	Current Circuit	≤2VA	
Communication	Interface	Optica/Infrared/RS485(Optional)	
	Protocol	MODBUS, DLT/645, IEC1107	
Temperature	Working Temperature	-25℃ ~+55℃	
	Storage Temperature	-40℃ ~+70℃	
Humidity		≤95%	

Dimension & Wring Diagram



J&R DESIGN 校对稿，不得商用！ www.jrcis.com

GYB-100
Round Meter Sockets

J&R DESIGN 校对稿，不得商用！
www.jrcis.com

Application

- Temporary Sevice
- Outdoor Advertising
- Small Customer Service
- Other Low Amperage Requirements



Features

Our enclosure is made of die cast aluminium. The electro-statically applied epoxy and polyester resins, which are baked on, form a durable, light gray exterior. The current carrying parts are made of copper alloy. The ground connector is designed to insure a positive electrical connection by effectively clamping the conductor against a serrated surface.

LeGy Technology 联众科技

Your satisfaction is what we strive for



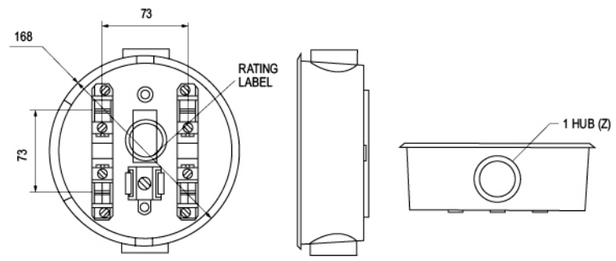
Technical Parameters

J&R DESIGN 校对稿，不得商用！
www.jrcis.com

Product Number	Description	Fixed Hubs Size
GYB-100B	1 phase, 100A, 120/240VAC, 4 jaw	1/2"
GYB-100C	1 phase, 100A, 120/240VAC, 4 jaw	3/4"
GYB-100D	1 phase, 100A, 120/240VAC, 4 jaw	1"
GYB-100E	1 phase, 100A, 120/240VAC, 4 jaw	1-1/4"



Dimension & Wring Diagram



J&R DESIGN 校对稿，不得商用！
www.jrcis.com