

DTSD833/DSSD833 Three Phase Electronic Multi-function Energy Meter



Application

DTSD833/DSSD833 electronic three-phase multi-function watt-hour meter is a kind of new style three phase four wire multifunctional energy meter. The meter completely accord with relevant technical requirements of class 1 three phase active energy meter stipulated in international standard IEC 62053-21 and class 2 three phase reactive energy meter in international standard IEC 62053-23. It can accurately and directly measure 50Hz or 60Hz active energy consumption from three phase four wire AC electricity net, This meter has LCD monitors shows the active energy power consumption, and there are far infrared and RS485 communication module in it, contact with all kind of AMR system conveniently. It has following features: Good reliability, small volume, light weight, specious nice appearance, convenient installation, etc.

Functions and features

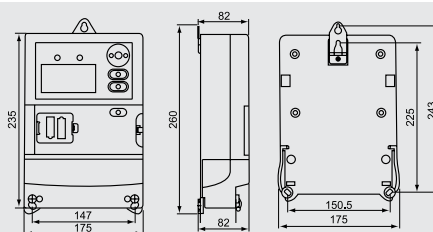
- Front board three fixed holes installation, the cover is made of PC material which is transparent and anti-UV molded overall, the base of the meter is made of pc and the terminal block is made of quality bakelite material which is moisture-resistant, fire-retardant, high temperature molded overall. It has following features: Good weatherability, high rigid, good insulation performance, etc.
- Have six tariffs, may select 12 daily period of times. You can set the date arbitrary which can automatically read the meter every month. May select single tariff function in weekend. (Please specified when ordering).
- There are a clock and Maintenance-free backup lithium batteries in it. Battery capacity detection and display all the time. It can keep the electricity data for 12 months. The data can be kept forever after power cut off.
- May select cycle display (default) or push the button itemized display, it can display 14 data at most. Can select the data which displayed. The decimal median which displayed can choose set one or two.
- There is a polarity port of pulse output passive closed and a no polarity port of pulse output passive distant (the output rate is 10 or 100 imp/KWh, can select). Complying with standard IEC 62053-31 and DIN 43864.
- There are far infrared and a port of RS485 communication data. It is use for setting and reading the meter. Set and operation have password protection, communication protelot complying with standard DL/T645-1997.
- Ten LED instructions respectively power state, signal of power impulse, the direction of the trend of load current, the state rates just now and the data communications state.
- Detect active and reactive energy, active and reactive power, voltage, current and frequency, etc. of three phase four wire forward and reverse. Complying with standard IEC 62053-21 and IEC 62053-23..
- Standard configuration direct connect and use, we can also choose another type of connection, and use CT and PT & CT for operation.
- Standard configuration extended terminals cover, may select short terminals cover, in order to protect to use electricity safely.

Technical parameters

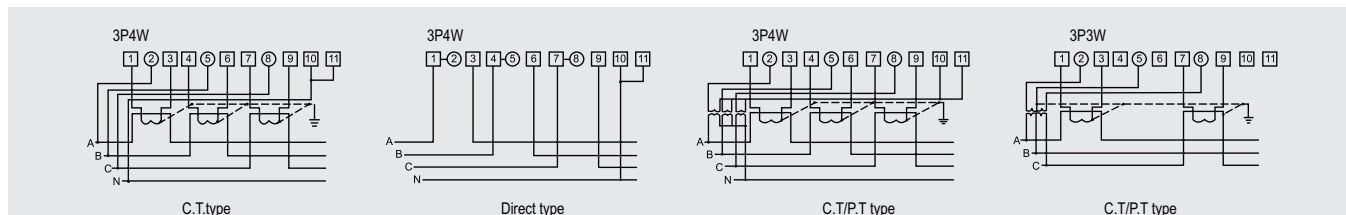
Model	Accuracy	Reference voltage (V)	Current specifications (A)	Insulation performance
DTSD833	Active Class1	3 × 127/220	1.5(6) 3(6)	AC voltage 4kV for 1 minute, 1.2/50us wave form impulse voltage 6kV
DSSD833	Reactive Class 2	3 × 230/400	5(20) 10(40) 30(100)	

* If you need different reference voltage or current specification, please advisory our sales.

Outer and mount dimension



Wiring diagram



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Application

The DTSD833/DSSD833 type three-phase electronic multi-function watt-hour Meter is a new type of Multi-function meter; It accords with the correlative standard, rulse of easy operation. The performance index of the meter accord with the technical requirements of nation standard, such as GB/T1721.5321-2008 Class 1 and 2 Static A.C Active Watt-hour Meter, GB/T 17215.323-2008 Class 0.2S and 0.5S Static A.C Reactive Watt-hour Meter, GB/T 17215.323-2008 Class 2 and 3 Static A.C Reactive Watt-hour Meter and DL/T614-1997 Multi-function Watt-hour Meter, the communication agreement accord with DL/T645-1997.

Function and features

- Measure forward direction, reverse direction and 4 quadrants reactive power and max demand, the time of max demand, the time of max demand occurs.
- Spit 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 DL/T645-1997.
- It can be mounted the meter key stoke-display or circule-display when power is off. All the data can be set up 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 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.

Outer and mount dimension

