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DTSD450 three phase multifunction kwh meter



DTSD450 and DSSD450 series three-phase electronic multi-function watt-hour meter is a new generation product that can measure reactive energy and active energy with multi-tariff, it is designed by modularization ,its multi functions can be combined freely to meet users requirements. Each performance index of it conforms to standard DL/T614-1997 Multifunctional Watt-hour Meter and standard DL/T645-1997 Multi -function Watt-hour Meters Communication Protocol sa well as total technology requirements for three-phase electronic multi-function watt-hour meters stipulated in standard IEC62053-21,IEC62052-11.

Product Specification

Name Spec	Model	Rated voltage	Basic current	Class index
Three-phase three-wire	DSSD450	3×100	3×5(6)	Active energy:0.5/1 Reactive energy:2
Three-phase four-wire	DTSD450	3×220/380 3×57/100	3×1.5(6) 3×10(40),3×20(80),3×30(100)	

Main Technical date

1. Class index: active energy:class0.5,1,reactive energy:class2
2. Clock error:≤0.5s/day
3. Reference temperature:23℃
4. Date protection: date stored time after power off:≥10years
5. Environment conditions:
working temperature:-20℃~45℃
Utmost working temperature:-25℃~55℃
Relative humidity:≤85%(at environment temperature 23℃)

Main functions:

1. Measurement function

Can measure active and reactive energy respective, and have separate active and reactive pulse signal output interfaces.



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2. Multi-tariff function

- Four tariffs ,ten time intervals.
- Calendar for a century(1996-2095)can switch automatically.
- Record and store the total active energy and reactive energy and active energy and reactive energy under kinds of tariffs.

3. Demand statistic

- Record active max demand an its time
- Demand statistics adopts method.
- Max demand is stored as per month
- Automatically alarm and trip for overload

4. Record voltages loss

- Record 9 voltage loss and information of power failure, also can record their initial and restoring time.
- Record total active energy and reactive energy of no voltage-loss phase.

5. Programming and meter reading

- RS485 communication interface
- The programming and meter reading are performed by RS485 communication interface, infrared communication interface and palm also it can perform meter reading through remote controller and alternation displaying

6. Meter reading at zero o'clock

- The setting day for meter reading is 1st ~ 28th of every month at the same time.
- Can store and display calculated date for past three months at the same time.

7. Meter reading at power off

The meter is provided with individual meter reading battery, so it can finish meter reading at power off.

Note:

Other voltages between 100 and 500V are also available. Other currents up to 100A are also Available.

Structures:

There are two types of structures as follows, which meet the standard IEC62053-21, IEC62052-21 respectively to satisfy customer requirement.

