

DDSY833

Single Phase Electronic Prepayment Energy Meter

Application

DDSY833 type single-phase electronic pre-paid electric meter is developed a new kind product by our company, with is based on excellent of pre-paid special chip. It has multiple functions, such as electrical energy calculation, load control and user's information management. The product setting charge and adjusting load state in the electric-network. The product can be installed in the electric meter box, indoor or outdoor, the ambient temperature is $-25^{\circ}\text{C} \sim +60^{\circ}\text{C}$. The relative humidity is not more than 85%.

Each of performance norms of the product accords with IEC61036 static meter international standard and all technical requirements of JB/T8382-1996 pre-paid electric meter standard.

Functions and features

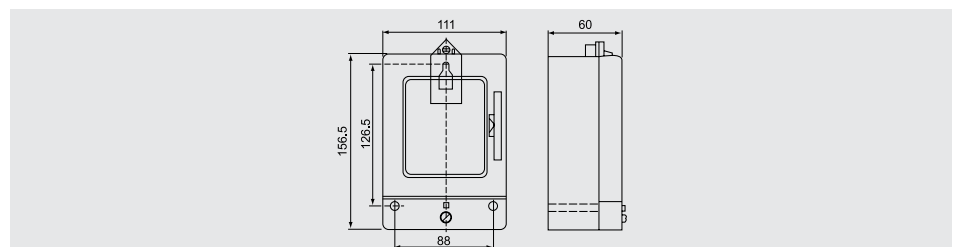
- The international standard IC card hard disk password protection for pre-collection of fees, and the power supply department pre-charge the power bills by selling the IC cards, so that the users can use the power soon after purchase.
- It integrates full digital metering, power display, pre-payment control, card reading, and intelligent power-theft-proof, with very good reliability.
- It is equipped with overload protection. when the load exceeds 20-30% of the max current for 10-15 seconds, the power supply circuit will be off.
- The IC card is furnished with both soft and hard disc password protection, which can fully ensure the safety, accuracy and reliability of the data. with special design, the IC card can record the information of remaining power theft.
- The perfect card protection circuit is capable of preventing any malicious attacks.
- It can display the remaining and accumulating power in alternation, with five digitals (four integers and one decimal fraction).
- It is able to signal the alarm when the power runs out, and may over draft when the card is inserted. When the digital tube flashes and shows the remaining power, it reminds the users to input newly purchased power.
- When the insufficient power reaches certain value (set before ex-factory, usually at 10kW.h), the power will be off automatically, and power supply will resume as soon as the newly purchased power is input (deducting the over draft).
- The application of magnetic latching relay has not only raised the reliability of power-off and reduced the power consumption after power-off, but also overcome the difficulties for contact due to long time of large current of relay.
- When the power is off, the data can be saved automatically and recovered when the power supply resumes. constituted the power-sales management system.
- Through the comparison and analysis of recorded information, the management system can list the users who are suspicious of stealing power. In this way, customers can examine the power more easily, and reduce the power theft.
- Option of RS485.

Technical parameters

Rated Current (A)	Rated Voltage (V)	Frequency (Hz)	Accuracy	Starting current (A)	Power Consumption
1.5(6)	220	50	Class 1.0 Class 2.0	0.4%(Class 1.0) 0.5%(Class 2.0)	<2W/5VA
2.5(10)					
5(20)					
10(40)					
15(60)					
20(80)					

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

Outer and mount dimension



Wiring diagram

