

Prepaid Smart Meter Technology



DDZY501 Single-phase Prepaid Smart Meter (Local disconnection)

SPECIFICATIONS

General

DDZY501 meter is a single phase prepaid smart watt-hour meter with a function of local disconnection, which is developed by us combing the latest requirements of State Grid and the many year's experiences in meter R&D and manufacturing. Adopting the advanced measurement ASIC and MCU, the meter features prepayment and bi-circuit measurement.

A CPU smart card is used for pre-payment media, with a banking secrecy level, to ensure a security of the quantity of electricity prepaid and the amount.

Features

- Dual metering circuits, metering and indicating/displaying the voltages and at both a phase line and a neutral line, also the frequency, the power factors and status of using power.
- Intelligent control functions, such as, prepayment, pre-alarming and load controlling, LCD display, indicating the meter information concerned to the users, such as. remaining amount, consumed electricity, tariffs, date and time.
- Wide operating temperature from -25 C to +55 C and with the temperature limits from - 45 C to +70 C).
- Excellent anti-interference ability that is the meter will maintain high accuracy and long-term stability even in harsh environmental conditions.

Specifications: Model	DDZY 501
Accuracy	1.0, 2.0
Reference Voltage (V)	220
Basic Current (A)	5 (30), 10 (40), 5 (40), 10 (60), 15 (60), 20 (80)
Normal operating voltage	0.8Un ~ 1.15Un (expandable)
Power consumption of the voltage circuit	≤ 1.5W
Normal operating temperature	-25 C ~ +55 C
The humidity of Storage and Operating	≤ 85%
Display	LCD
Displaying range	0 ~ 999999.99 kWh
Communication baud rate	2,400 bps (default)
Dimensions	160mm × 112mm × 71mm
Weight (kg)	1.0