

## NOE28-A Two Phase Three wire Prepaid Electricity Meter

IP54

Ingress protection IP54 waterproof



Up to 8 years battery life



Remote connection/disconnection

STS

STS Standard



Real-time clock

TOU

Utilities can set TOU price into meter on request



Anti-Tamper  
Magnetic field protection



LORA-RF communication (optional)



Pay by mobile payment  
M-PESA, Alipay, MTN, Airtel, etc.



NOE28-A is an STS Standard compliant, keypad type, automatically valve controlled prepaid three phase electricity meter. It can be top up with Novizexpay vending software directly and communicate with AMI system via LORA-RF or PLC module.

### Compliance with Standard

- \* ISO 9001 ; ISO 14001
- \* STS Certificated

### Application:

Counting the electricity consumption of users over a period of time.

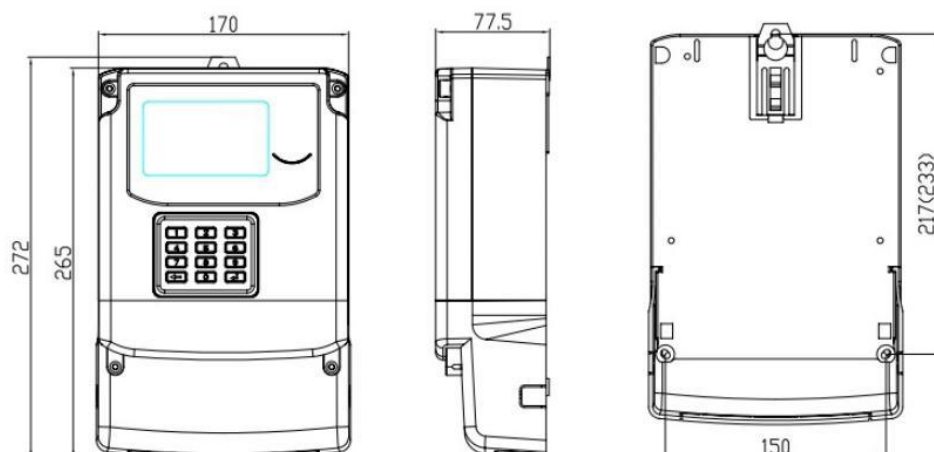
## Electrical Parameters

|                                      |            |
|--------------------------------------|------------|
| Nominal Voltage                      | 2×120/240V |
| Working Voltage Range                | 30%~120%Un |
| Nominal Frequency                    | 50-60Hz    |
| Basic Current (Ib)                   | 5A         |
| Maximum Current (Imax)               | 100A       |
| Starting Current (Ist)               | 30mA       |
| Active Energy Constant               | 400imp/kWh |
| Active Energy Accuracy               | Class 1.0  |
| Reactive Energy Accuracy             | Class 2.0  |
| Power Consumption in Voltage Circuit | <2W <8VA   |
| Power Consumption in Current Circuit | <1VA       |
| Operation Temperature Range          | -25°C-70°C |
| Storage Temperature Range            | -40°C-85°C |

## Electric Magnetic Compatibility

|                                             |                   |                         |
|---------------------------------------------|-------------------|-------------------------|
| AC Insulation Strength                      |                   | 4kV at 50Hz during 1min |
| Impulse voltage 1.2/50 us mains connections |                   | 8kV                     |
| Electrostatic Discharges                    | Contact discharge | 8kV                     |
|                                             | Air discharge     | 16kV                    |
| Electromagnetic RF Field                    | 27MHz-500MHz      | 10V/m                   |
|                                             | 100KHz-1GHz       | 30V/m                   |
| Fast transient burst test                   |                   | 4kV                     |
| Protection                                  |                   | Class II                |

## Meter Dimension



## Functions

The integrated keypad of three phase electricity meter is offered to enter recharge TOKEN and check information by short codes.

Novizexpay vending software could be integrated to local Mobile Money Payment Platform via API, like M-PESA, Alipay, MTN, Airtel, etc.

### Basic Functions

- \* Meter Recharge By Inputting TOKEN
- \* Active energy measurement
- \* MD(maximum demand measurement)
- \* Auto scroll mode display
- \* Build-in relay control
- \* Event log
- \* Low Credit Alarm

### Communication:

The meter is available with AMI system through LORA-RF or PLC module on request.

### TOU Tariff:

Meters can be set TOU Tariff by inputting corresponding TOKEN. Utilities can set step price on request.

### Anti-Tamper Functions:

Meter will automatically close the valve after detection of magnetic field and open cover event.

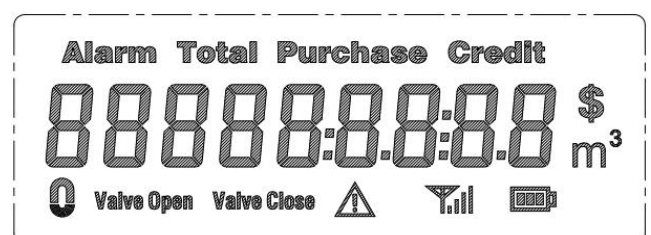
### Overdraft Collection:

Electricity Overdraft can be collected day by day or month by month.

### Information Inquiry:

Consumer could check the data like Credit Remain, Total Purchased and Total Credit by inputting the short code.

### Liquid Crystal Display:

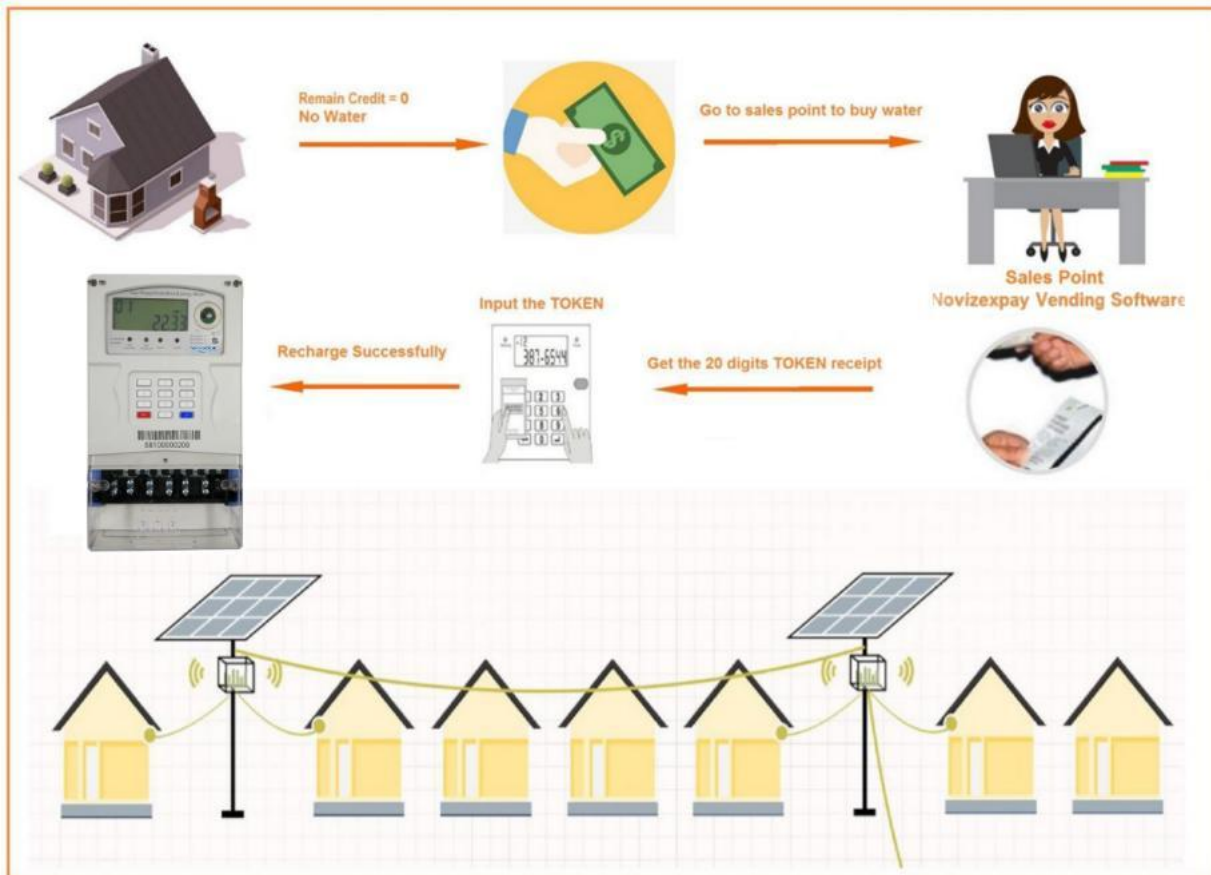




## Three solutions to recharge prepaid electricity meter

### 1. By Novizexpay vending Software

⇒



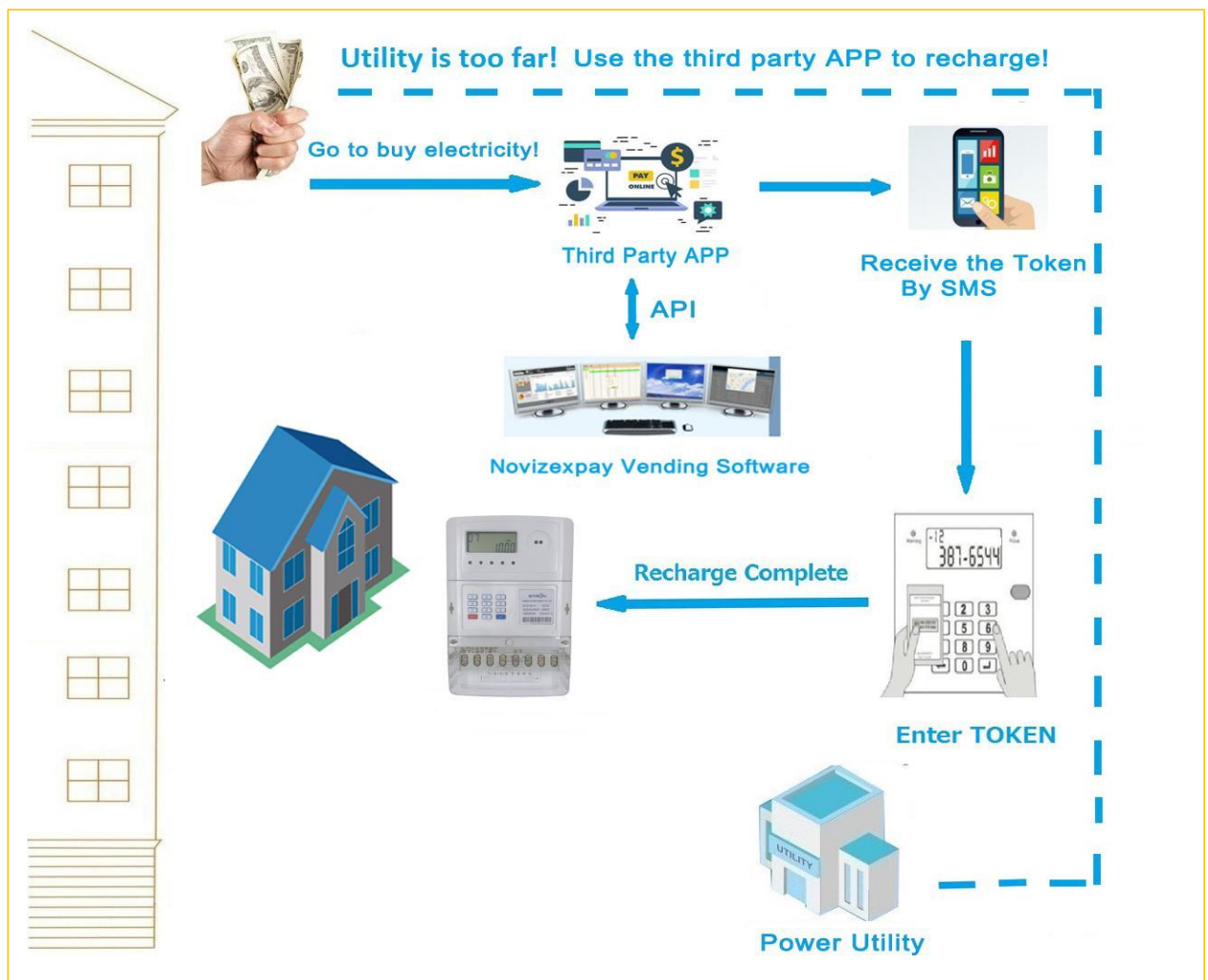
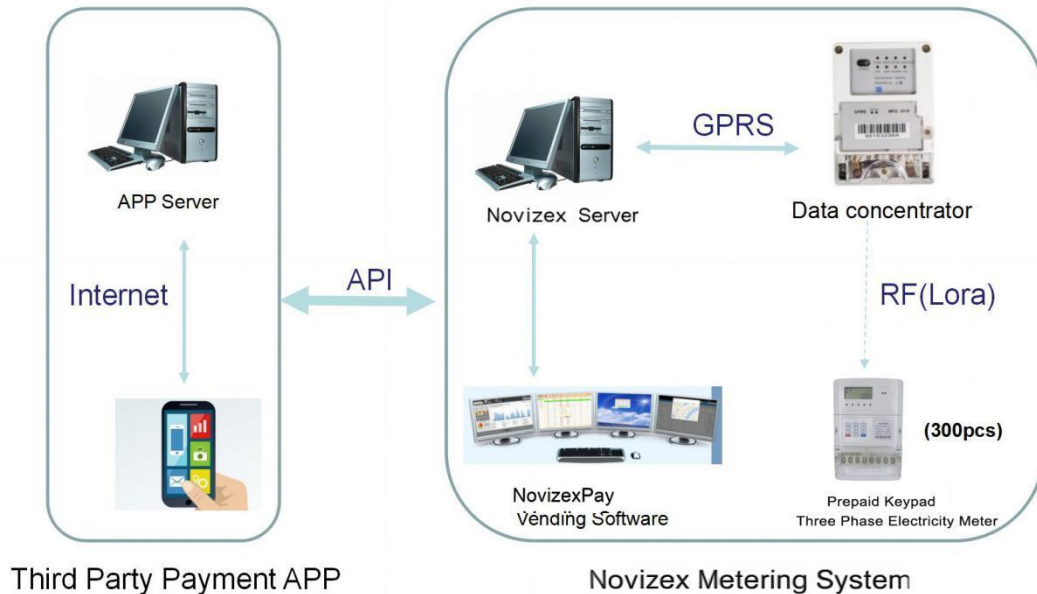
### Operation of vending software

1. Login vending system
2. Meter number registration
3. Customer information registration
4. Price Setting
5. Open Account
6. Vending/Topping up meters
7. Get the Token
8. Input Token to meter with keypad
9. Recharging successfully

## 2. By the third party platform or local mobile payment with API

### ⇒ Via mobile phone

API: Application Program Interface, which is the agreement connecting the third party APP and our Novizexpay vending software.

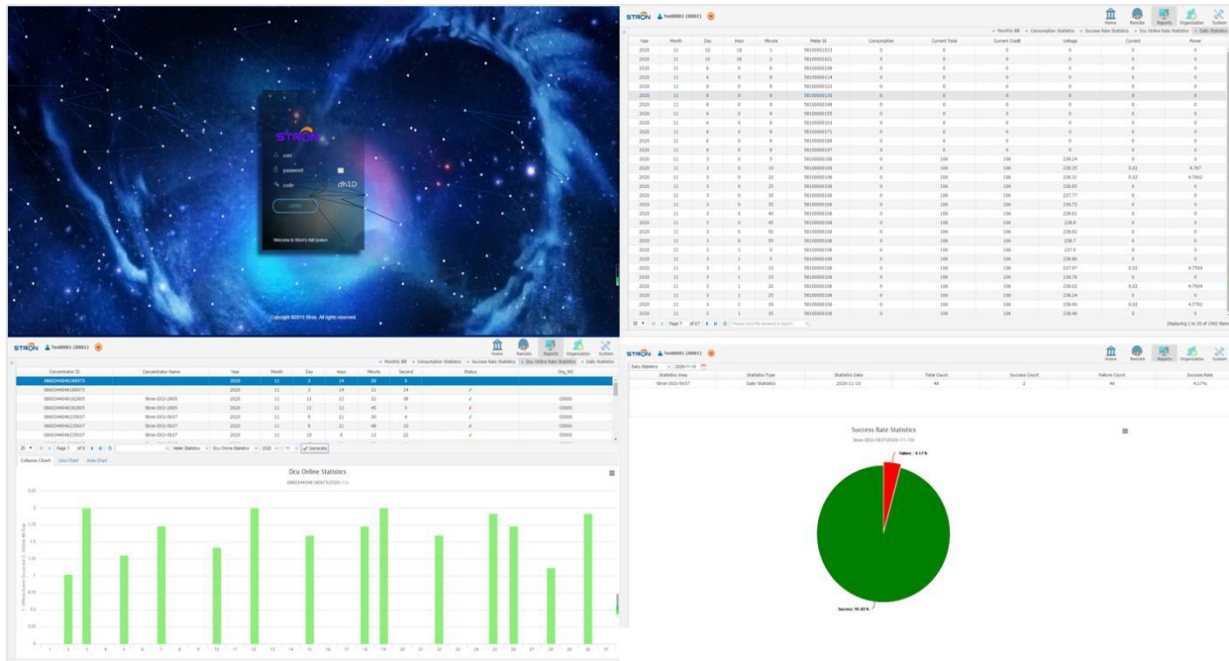


## The advantages to recharge with mobile payment:

- \* Users can top up electricity by mobile money without leaving the house.
- \* Users could check information by their telephone.
- \* It helps utilities for Revenue protection and consumer management.

## 3. By the AMI System

⇒ Recharge remotely via DCU and LORA-RF or PLC module



## How to recharge by AMI System?

