

NOE38-M Prepaid Keypad Three Phase Dual Source Electricity Meter

	Ingress protection IP54 waterproof
	Up to 8 years battery life
	Remote connection/disconnection
	STS Standard
	Real-time clock
	Utilities can set TOU price into meter on request
	Anti-Tamper Magnetic field protection
	Pay by mobile payment M-PESA, Alipay, MTN, Airtel, etc.

Compliance with Standard

- * ISO 9001 ; ISO 14001
- * STS Certificated

Application:

Counting the consumption of grid power and generator power over a period of time.



NOE38-M is a prepaid three phase dual meter. The meter can switch the measurement between the Grid and Generator automatically and have a separate bill. And the meter can auto decrypt the recharge code from different source and top up into separate balance.

The integrated keypad of single phase electricity meter is offered to enter recharge TOKEN and check the data like Residual Credit, Total Purchased Credit and Total Consumption by inputting the short code.

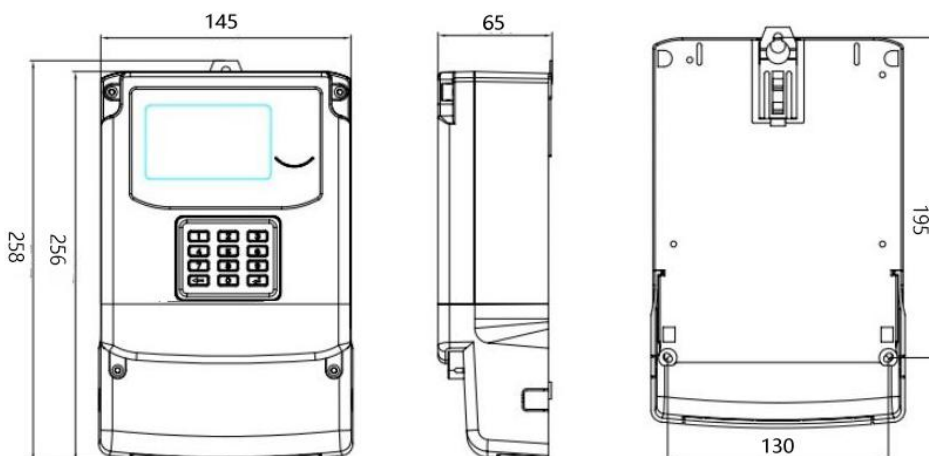
Electrical Parameters

Nominal Voltage	3×230V
Working Voltage Range	70%~120%Un
Nominal Frequency	50-60Hz
Basic Current (Ib)	10A
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



Basic Features

- * STS standard and protocol.
- * Meter recharged by inputting 20 digits TOKEN.
- * Ingress protection IP54 waterproof.
- * Anti-Tamper magnetic field protection.
- * Real-time clock and low credit alarm.
- * Event log and data can be stored for 10 years.
- * Pay by mobile payment M-PESA, Alipay, MTN, Airtel, etc.

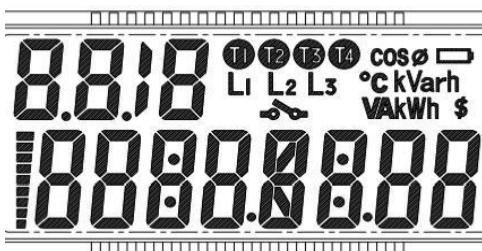
Novizexpay Vending Software:

- * Web-based version.
- * Standalone version(Unsupported for dual source).
- * Server with software.

Anti-tamper Token

Meter will automatically close the switch after detection of magnetic field or open cover event. It will work normally after

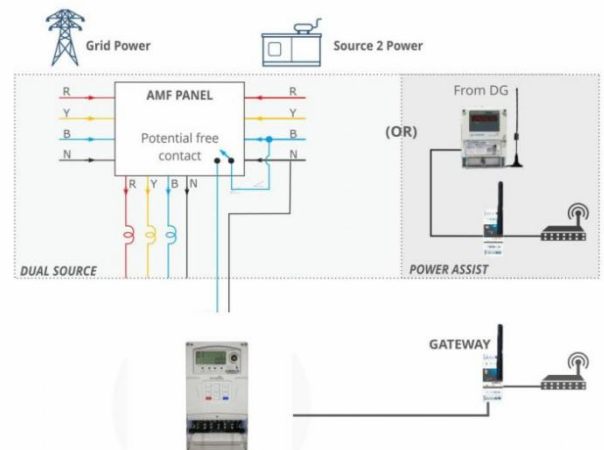
Liquid Crystal Display:



Dual Source Measurement:

Diesel Generator tariff detection with generator auxiliary contact input.

PREPAID METERING



Information Inquiry

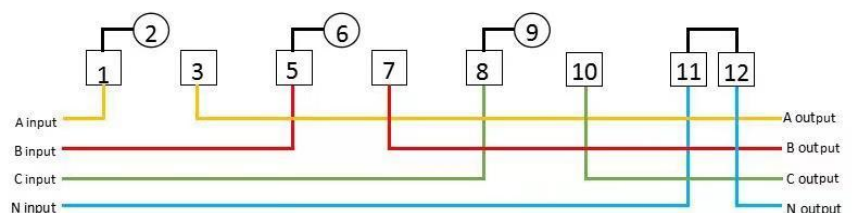
Consumer could check the data like Credit Remain, Total Purchased and Total Credit by inputting the short code.

Communication

The meter is available to communicate with AMI system through LORA-RF module on request.

Wiring Diagrams:

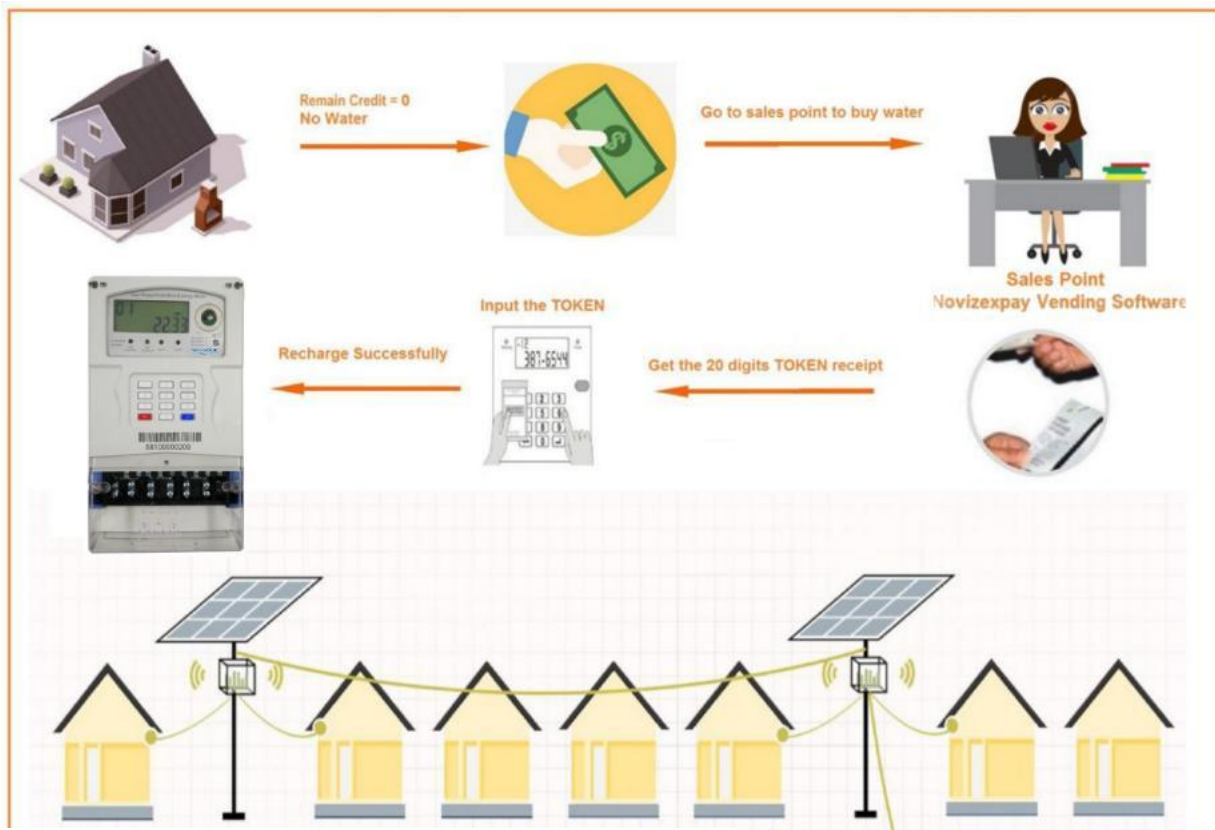
Sequential Wiring



Three solutions to recharge prepaid electricity meter

1. By Novizexpay vending Software

⇒ Via local sales point or handheld mobile vending unit



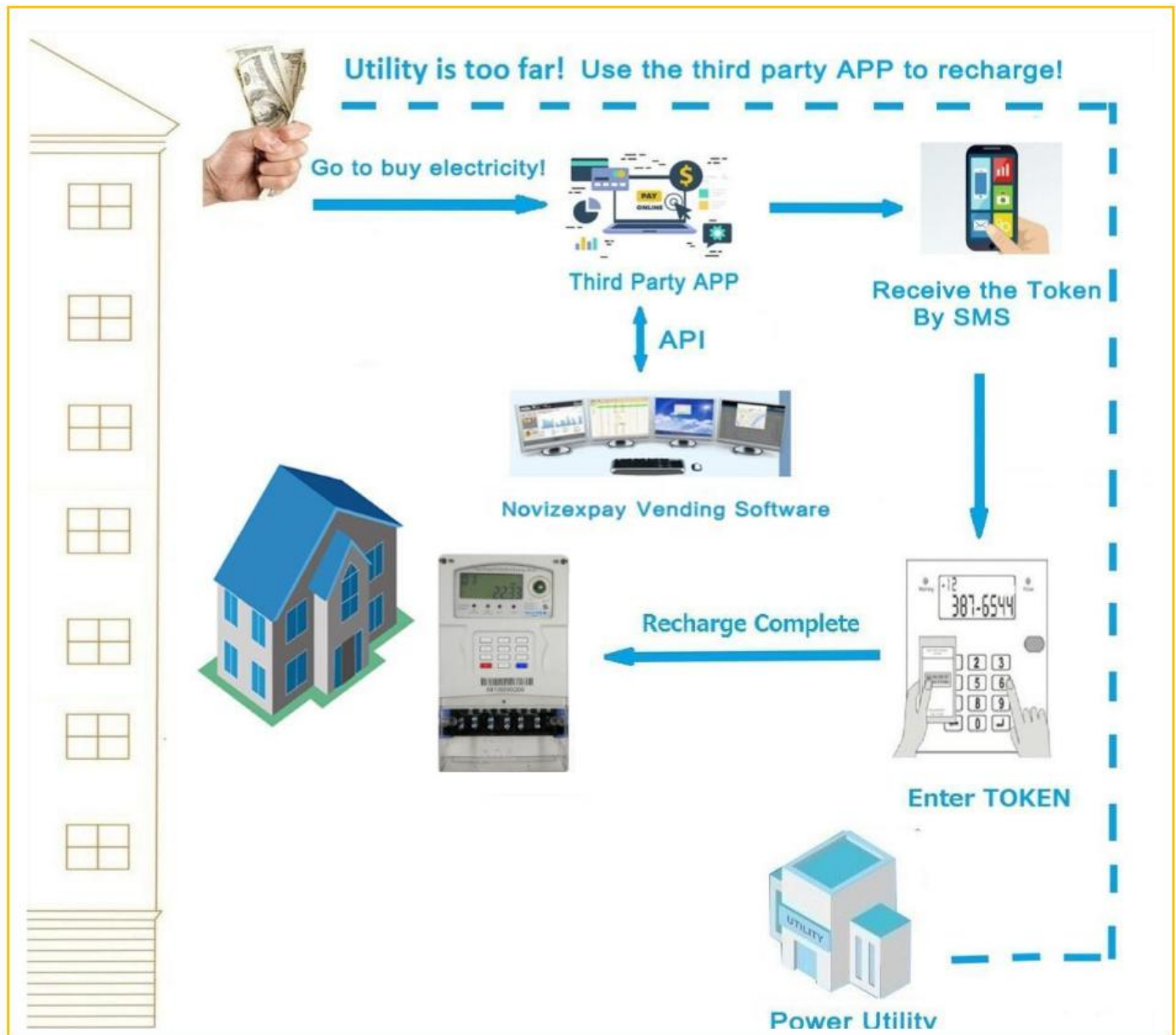
Operation of vending software

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.