

NOE38-G Prepaid Smart GPRS Three Phase Electricity Meter+CIU

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.



NOE38-G STE18-G composed of a prepaid three phase electricity meter and a customer interface unit(CIU). It used for a wide range of smart metering applications, works with a plug-in module for STS compliant data collection and network communications. This modular design enables utility to select from PLC/RF/GPRS 3G or 4G LTE cellular data networks according to local conditions at low cost. Upgrading and maintenance will also become cost-effective by replacing the modules only instead of the entire meter.

Application:

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

Compliance with Standard

- * ISO 9001 ; ISO 14001
- * STS Certificated

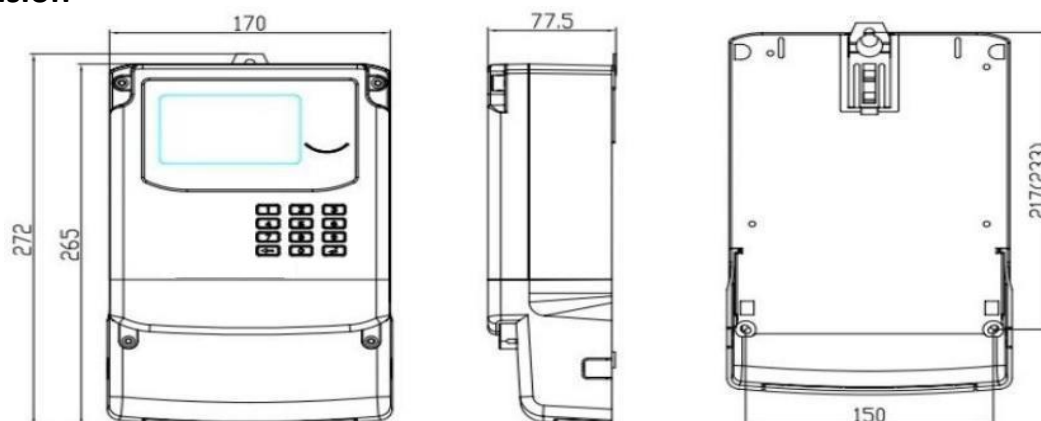
Electrical Parameters

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
Measurement Accuracy	Class 1.0
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



Three solutions to recharge prepaid meter

1. By Novizexpay vending Software

⇒ Via local sales point or handheld mobile vending unit



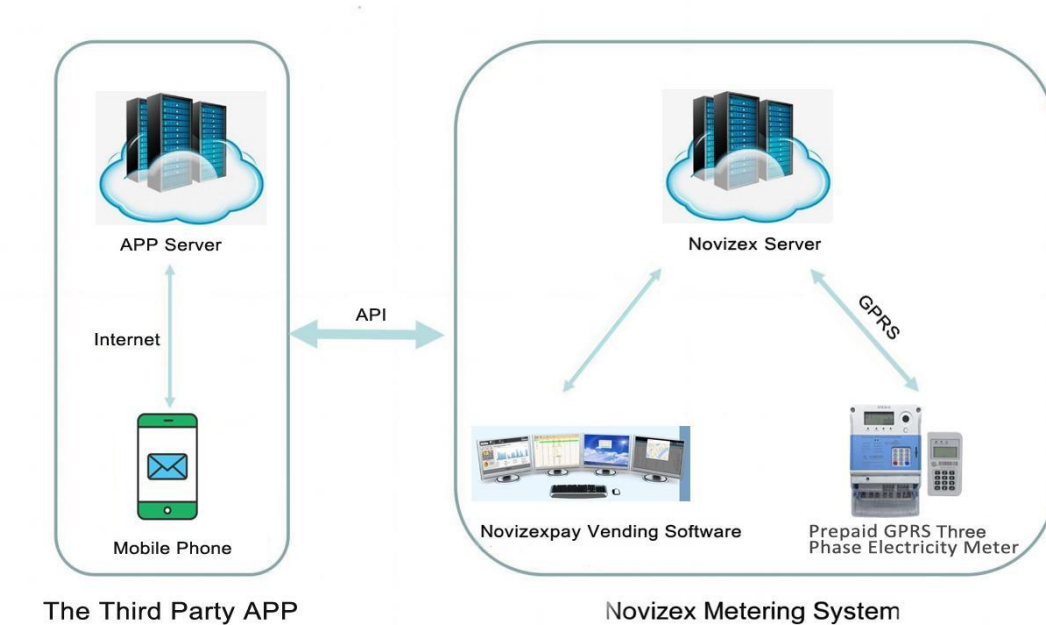
Operation of vending software

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

3. By the AMI System

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

