

# Countercurrent Detection Energy Meter



Secondary Access, Safe & Reliable

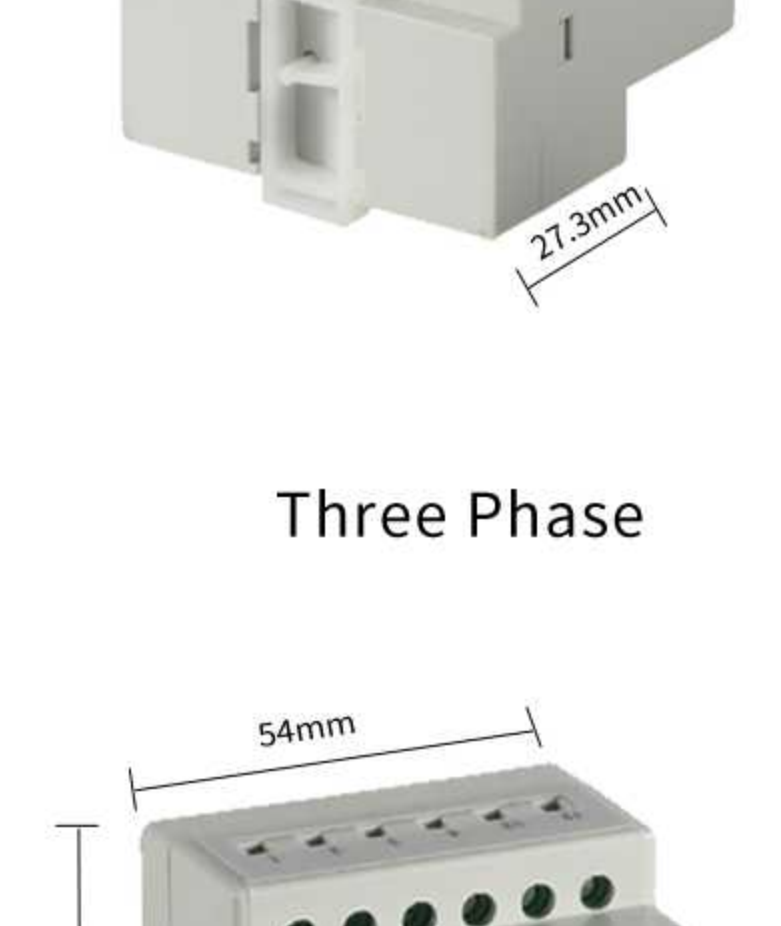
Small Size Easy Installation

Countercurrent Detection

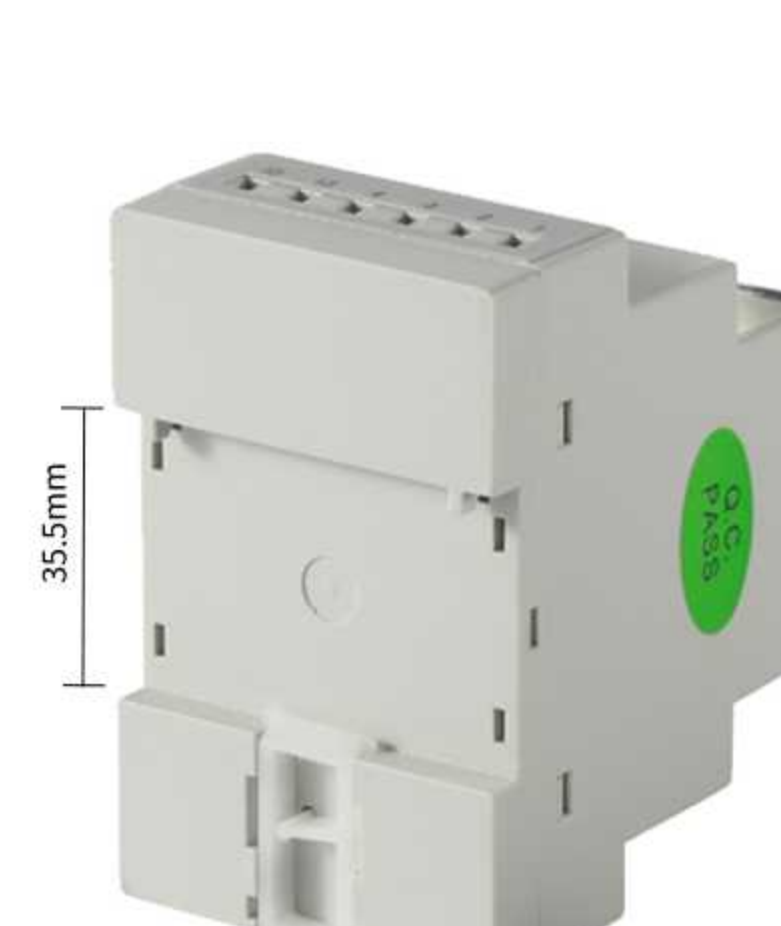
With Split Core CTs

## DIMENSION

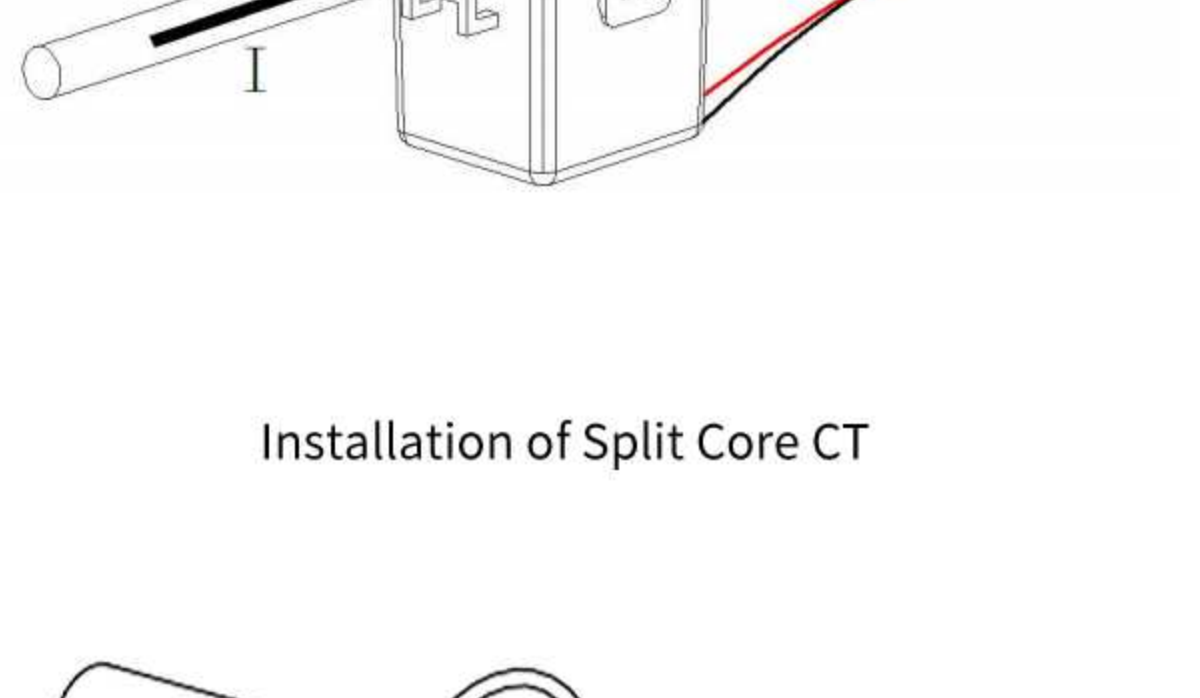
### Single Phase



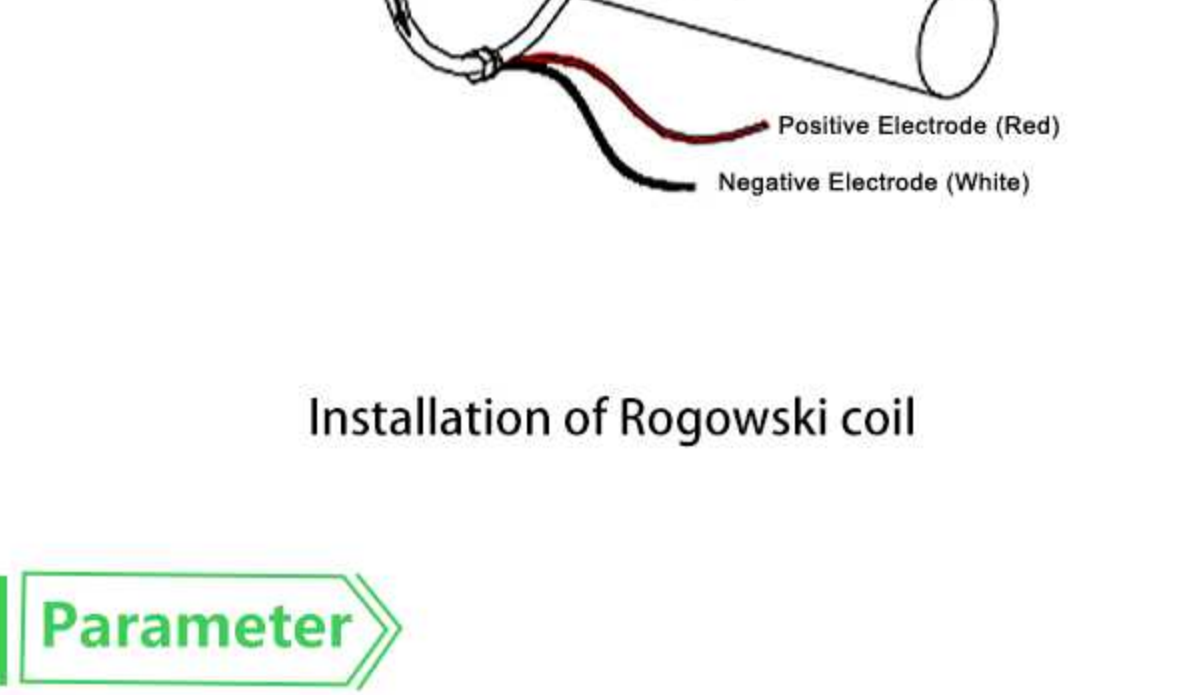
### Three Phase



### External CT



Installation of Split Core CT

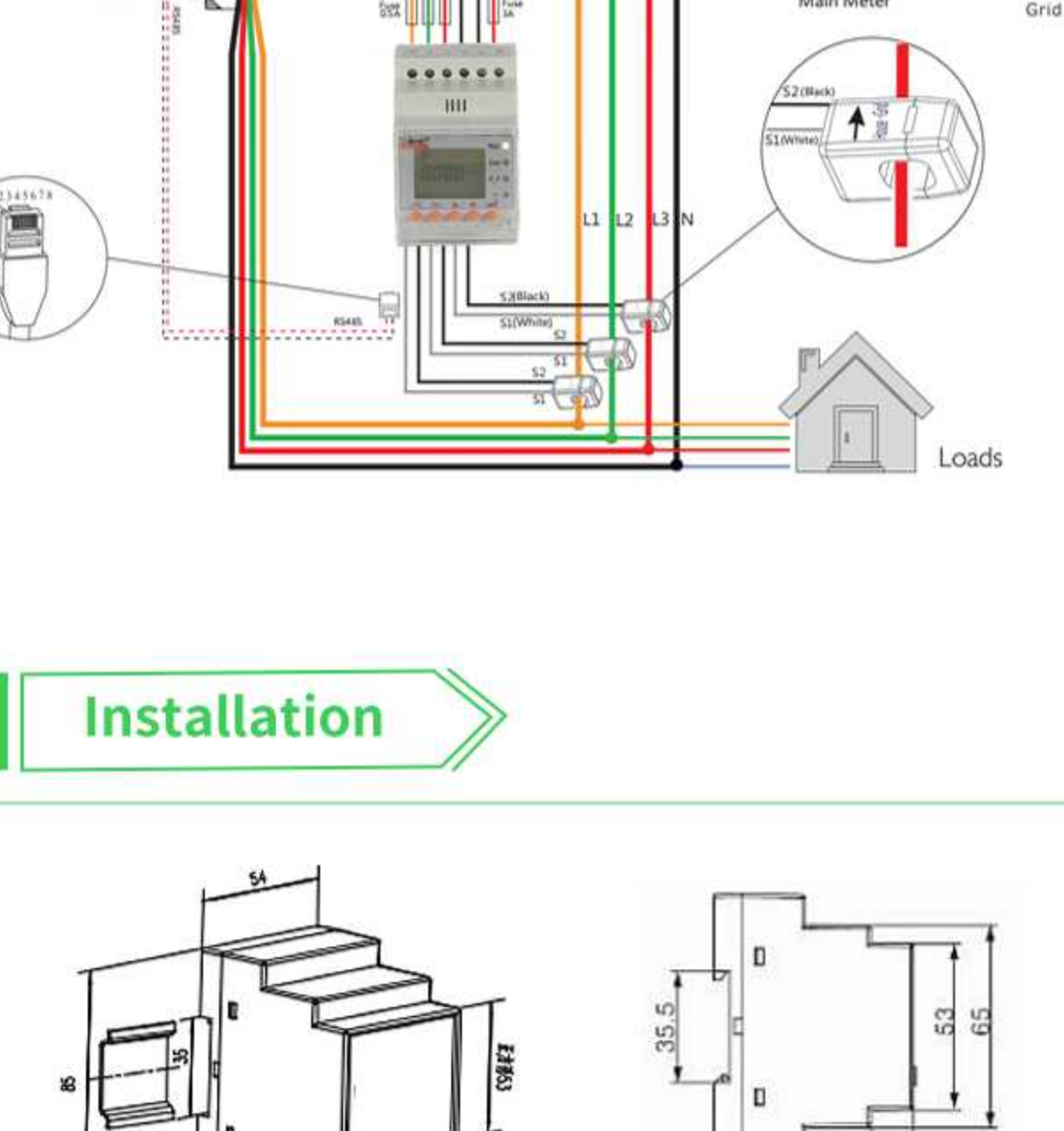


Installation of Rogowski coil

## Parameter

<b>Wiring</b>	Three phase Three wire, Three phase Four wire
<b>Accuracy</b>	Reactive energy 1 class, others 0.5 class
<b>Voltage</b>	Value: AC 57.7V/100V(100V)、220V/380V(400V)
<b>Current</b>	Value: 80A, 120A, 200A, etc
<b>Com</b>	RS485 Interface、MODBUS-RTU
<b>quality</b>	Total Harmonic, Sub-harmonic (2-31th)

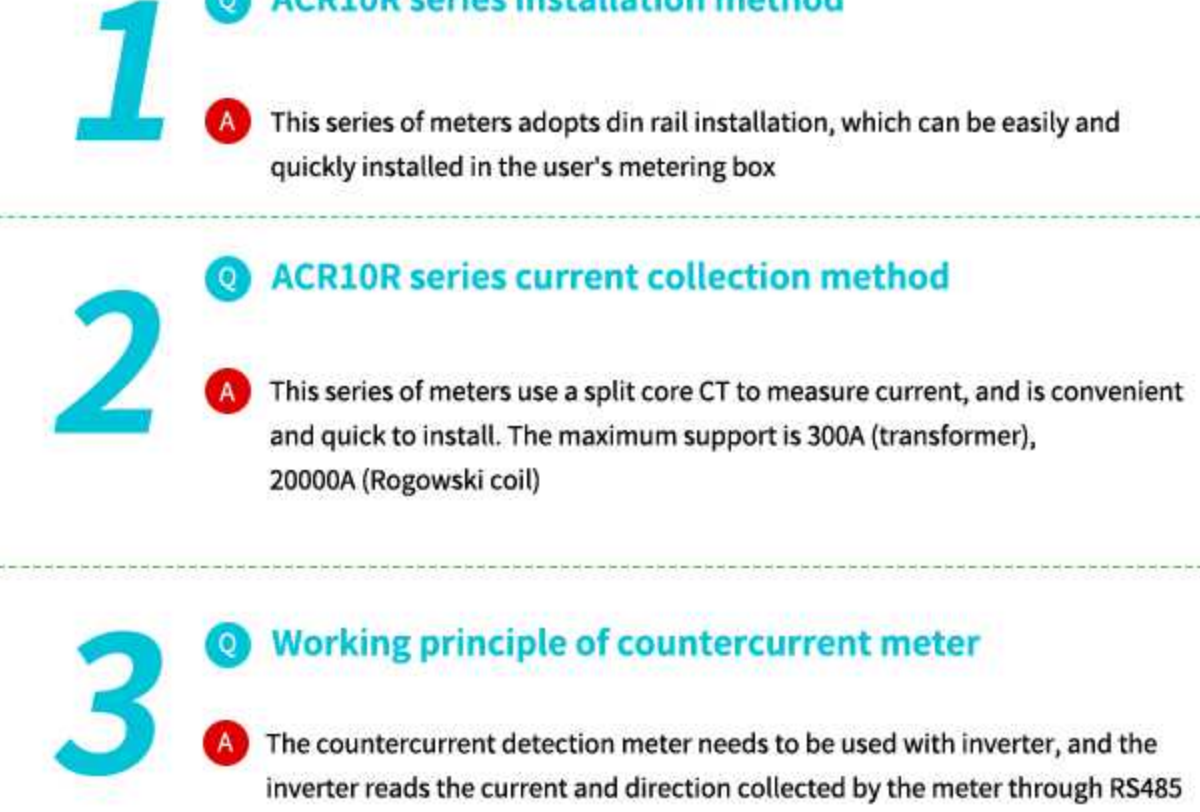
## Application



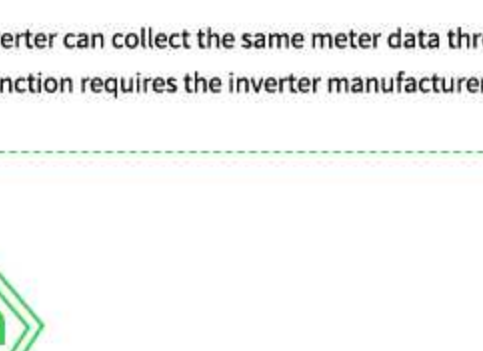
## Wiring



## Installation



## Certificate



## FAQ

- Q ACR10R series installation method**

A This series of meters adopts din rail installation, which can be easily and quickly installed in the user's metering box
- Q ACR10R series current collection method**

A This series of meters use a split core CT to measure current, and is convenient and quick to install. The maximum support is 300A (transformer), 20000A (Rogowski coil)
- Q Working principle of countercurrent meter**

A The countercurrent detection meter needs to be used with inverter, and the inverter reads the current and direction collected by the meter through RS485 communication in real-time and adjust output power, to achieve anti-backflow function
- Q Refresh speed of electricity meter data**

A 250ms
- Q Whether to support multiple inverters connected to one meter**

A The inverter can collect the same meter data through the data collection (gateway). This function requires the inverter manufacturer to debug

## Application



## About US



Acrel Co., Ltd. [Stock Code : 300286.SZ] is a high-tech enterprise concentrating on research, production, sales and services. It mainly provides systemic solutions of energy efficiency management and electrical safety for users. "Acrel" is equipped with the complete production lines from cloud platform software to sensors. Until now, it has more than 8000 sets systemic solutions used in China to help users to realize energy visual management, supply energy data services and improve electrical efficiency and safety and service for power system users.

## Workshop

