

# Energy Gateway

## MTR-201

Maximise  
your  
revenue  
potential!



The energy gateway serves as a bridge between your energy systems and connects to the larger virtual power plant (VPP) network. It maximises your assets to use or store energy at optimal times based on the grid's needs and electricity market prices to unlock new revenue streams.



### Revenue Generation

The gateway facilitates participation in VPP events and can access all FCAS markets for maximum revenue generation.



### Outperforms Rigorous Compliance Standards

The cutting-edge gateway exceeds the strictest international industry standards to comply with IEC 61557-12 and MASS 8.



### 4-in-1 Plug and Play Design

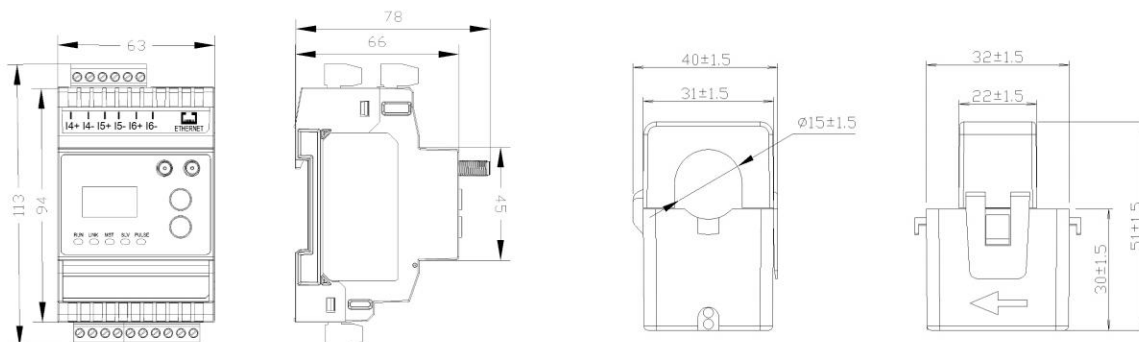
A high-speed meter, VPP gateway, controller and data recorder are seamlessly integrated in a single unit to monitor and manage your energy assets in real-time.



### Data Monitoring and Communication

The gateway collects real-time data from distributed energy assets (e.g., solar panels, batteries, electric vehicle chargers) and transmits it to the VPP platform. It monitors energy production, consumption and storage.

## Dimensions



## Electrical

Optional CT (up to 6 CTs)	Split core CT: 100A (default), 500A Rogowski coil: 1000A, 2000A
Number of phases	1 - 3
Voltage	200 ~ 265V, 0.01V resolution
Current	Default 100A, 0.001A resolution
Frequencies	45 ~ 60 Hz, 0.0001 Hz resolution
Energy	0.0001kW resolution
Sampling interval	Up to 10ms
Recording interval	Up to 50ms
Upstream communication	4G, Wi-Fi, ethernet
Downstream communication	RS485, Wi-Fi, ethernet
Upstream protocol	TCP, MQTT, FTP
Relay	1 channel, DC 24V 2A

## Physical

IP rating	IP52 (front panel), IP20 (whole body)
Installation	DIN rail
Working height	< 3000m
Power consumption	< 2W/5VA
Relative humidity	5% ~ 95% (no consideration)
Working temperature	-20 ~ +55°C
Storage temperature	-40 ~ +70°C