


## THREE-PHASE RAIL-MOUNTED METER ( ZERO-EXPORT METER )

- N34G12 rail meter adopts special metering chip, modular design, with multi-function, high accuracy, small size, fast response, high stability and other characteristics. The product can be used in three-phase with four-wire, single-phase with two-wire and other power grids, and can measure quantity of active power, voltage, current, active power, reactive power, frequency, power factor, split-phase power and other parameters. Instantaneous volume refresh rate up to 20ms, communication response time is less than 30ms.
- N34G12 rail meter has 1 channel active electric pulse output; 1 channel RS485 communication port (Modbus RTU); The default RS485 communication rate is 9600bps (and can be customized to a higher rate); support active optical pulse output signal. And the product can be adapted to different inverter models.
- N34G12 rail meter has good electromagnetic compatibility, And has obtained the following certifications: international GB/T17215, GB/T15284, GB/T17883 and power industry standards DL/T614, IEC62053-21.

N34G12

 CE certification


 Max current 80A direct access


 Support single-phase with 2 wire, three-phase with 4 wire

 Communication response time <30ms

 Bidirectional metering

 Active power pulse output

 Multi-metering parameter measurement, Power refresh time 20ms

 RS485 Modbus

Access method	Accuracy level	Voltage	Current	Frequency	Impulse constant
Direct	Level 1/B	3*230/400V	0.25-5(80)A	45Hz~65Hz	1000

KEY PERFORMANCE INDICATORS			
Power refreshing time	20ms	Communication Response Time	<30ms
Start-up current	0.4%Ib	Temperature	Operating temperature:-25°C ~ 70°C Storage and transportation temperature:-40°C ~ 70°C
communication interface	RS485	humidity	Working Humidity:≤90% Storage and Transportation Humidity:≤95
signal	Active	IP Rating	IP5X
AC withstand voltage	4kV	Voltage Line Power Consumption	<1W 5VA
Pulse withstand voltage	4kV	Current Line Power Consumption	<1VA
Electrostatic discharge	8kV contact discharge 15kV air discharge	Surge	4kV
Electromagnetic interference	IEC61000-4-3	Group Pulse	4kV
Conducted radiation	EN55022	Weight	≈360g
Appearance size	100*72*66mm	Mounting Dimension	35mm rail mounted

RS485 communication			
Bus Type	RS485 bus half-duplex	Distance	<1000m
Protocol	Modbus RTU(default)	Communication rate	9600bps(default) 19200bps (rate can be customized )
Bus Load	<64pcs	Data Bit	8
Calibration Bits	EVEN\ODD\NONE(default)	Stop Bit	1