



S36

Multi-users Prepaid Energy Meter

All-parameter measurement & Energy metering

Time-sharing billing & Prepayment

Demand statistics & Event record

Malignant load identification & Fault alarm

Application

- Commercial estate
- Campus
- Intelligent building

Function

"●" Yes "○" Optional

Main module		S36-M1Y
Switch value I/O	Digital Input	4 channels
	Relay output	2 channels
Communication	RS485 interface	2 channels
	Ethernet interface	○
Management function	Information query	●
	Parameter configuration/setup	●
	Local switch on/off control	●
Display mode	Dot matrix LCD, support multi-language option	●

"●" Yes "○" Optional "-" No

Measurement module		S36-D1Y	S36-D3Y	S36-C3Y
Wiring mode	Single-phase, direct access	3	-	-
	Three-phase, direct access	-	1	-
	Three-phase, access via CT	-	-	2
Rated voltage	230V	●	-	-
	3x230/400V	-	●	●
Current		5(80)A	3x5(80)A	3x1.5(6)A
Real-time measurement	U, I, P, Q, PF, Hz	●	●	●
	Terminal temperature measurement	○	○	-
Energy metering	Bi-directional energy	●	●	●
	Tariff energy	●	●	●
Freezing function	Instantaneous/agreed freezing	●	●	●
	Parameter/energy timing freezing	●	●	●
	Energy daily/monthly freezing	●	●	●
Management	Prepayment management	●	●	●
	Step tariff	●	●	●
	Malignant load identification	●	-	-
	Power-maintain in holiday	●	●	●
I/O	Event record	●	●	●
	Digital input	1 channel	1 channel	2 channels
	Energy metering	3 channels of magnetic latching	3 channels of magnetic latching	4 channels
	Freezing function	●	●	●

Technical Specification



Main module S36-M1Y

Working temperature AC/DC 80...270V

I/O characteristic

Digital input Dry contact, built-in 24V power supply, Input resistance: conduction <math><10k \Omega</math>, disconnection >math>>15k \Omega</math>
 Relay output Contact capacity: 5A/250 VAC; 5A/30 VDC

Communication characteristic

RS485 interface Modbus-RTU protocol, baud rate up to 38400bps
 Ethernet interface Modbus-TCP protocol

Mechanical characteristic

Dimension 72x120x80mm
 Protection degree IP54 (Front case)

Environment characteristic

Working temperature (-25~70)°C
 Storage temperature (-30~80)°C
 Relative humidity (5~95)% (no condensation)

Measuring module S36-C3Y

Accuracy U, I: 0.2%; P: 0.5%;
 Hz: ±0.01Hz;
 Active energy: 0.5S,
 Reactive energy: Class 2

Rated Voltage	Three-phase	AC 3x230/400V
Input current	Access via CT	AC 3x1.5(6)A
Frequency		50/60 Hz
Wiring mode		3P4W
Consumption	Voltage circuit	< 0.2VA
	Current circuit	< 0.2VA
Start-up current	Access via CT	0.002Ib

I/O characteristic

Digital input AC wet contact,
 ON: AC 180...270V,
 OFF: < AC 100V
 Relay output Contact capacity: 90A/250V AC
 Energy pulse Pulse width 80ms ± 20ms

Mechanical characteristic

Dimension 72x120x80mm
 Protection degree IP54 (Front case)

Environment characteristic

Working temperature (-25~70)°C
 Storage temperature (-30~80)°C
 Relative humidity (5~95)% (no condensation)

Measuring module S36-D1Y /S36-D3Y

Accuracy U, I: 0.2%; P: 0.5%;
 Hz: ±0.01Hz;
 Active energy: Class 1,
 Reactive energy: Class 2

Rated Voltage	Three-phase	AC 3x230/400V
	Single-phase	AC 230V
Input current	Direct access	AC 5(80)A
Frequency		50/60 Hz
Wiring mode		S36-D1Y: single-phase S36-D3Y: 3P4W
Consumption	Voltage circuit	< 1VA
	Current circuit	< 1VA
Start-up current	Direct access	0.004Ib

I/O characteristic

Digital input AC wet contact,
 ON: AC 180...270V,
 OFF: < AC 100V
 Magnetic latching relay output Contact capacity: 90A/250V AC
 Energy pulse output Pulse width 80ms ± 20ms

Mechanical characteristic

Dimension 72x120x80mm
 Protection degree IP54 (Front case)

Environment characteristic

Working temperature (-25~70)°C
 Storage temperature (-30~80)°C
 Relative humidity (5~95)% (no condensation)