TECHNICAL SPECIFICATIONS

Parameter	Accuracy	Resolution	Range
Voltage	0.2%	0.001V	0~1200V
Current	0.2%	0.001A	0~±50000A
Power*	0.5%	0.001kW	0~±60000kW
Energy*	0.5%	0.01kWh	0~9999999.99kWh
Drift with Temperature	<100ppm/˚C		
Stability	0.5‰/year		

* 0.2% accuracy on Power and Energy available upon request

Voltage

Input Range

Voltage	Direct Input0~1000V; Via Hall Effect Sensor0~1200V
Input Impedence	2MΩ
Load	<0.6W
Accuracy	0.2%

Current

Input Range	0~±10A(Direct Input, pick up current 0.01A) 0~±50000A(Via Shunt or Hall Effect Sensor, programmable range)
Shunt	50~100mV(programmable)
Hall Effect Sensor	0~±5V/0-±4V, 4~20mA/12mA±8mA
Power Consumption	2W(Max)
Accuracy	0.2%

Digital Input

Type	Dry Contact
Isolation Voltage	2500Vac

Communication

Type	RS485, half duplex, Optical Isolated
Protocol	Modbus-RTU
Baud rate	1200~38400bps
Isolation Voltage	2500Vac

Output

Relay Output (RO)

Type	Mechanical contact, Form A
Max Load Voltage	250Vac/30Vdc
Max Load Current	3A
On Resistance	100mΩ (Max)
Isolation Voltage	4000Vac
Mechanical Life	5×10^6 times

Digital Output (Photo-Mos)

Load Voltage Range	0~250Vac/dc
Load Current	100mA(Max)
Max Output Frequency	25Hz, 50% duty cycle
Isolation Voltage	2500Vac

Analog Output (AO)

Range	4-20mA/0~20mA; 0~5V/1-5V
Accuracy	0.5%
Load Capacity	Current type, max load resistance: 750 Ohm Voltage type, max load current: 20 mA

Power Supply

Input	(P1)100-240Vac, 50/60Hz, 100-300Vdc (P2) 20-60Vdc
Consumption	3W (typical value)

Environment

Operation Temperature	-25°C ~ +70°C
Storage Temperature	-40°C ~ +85°C
Humidity	5%~95%Non-condensing

Standard Compliance

Safety Standard	IEC 61010-1
EMC Standard	IEC 55011,IEC 61000-6-2,IEC 61000-3-2 IEC 61000-3-3