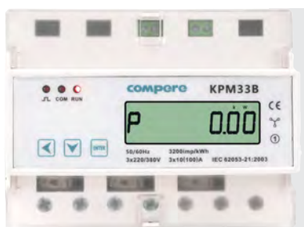
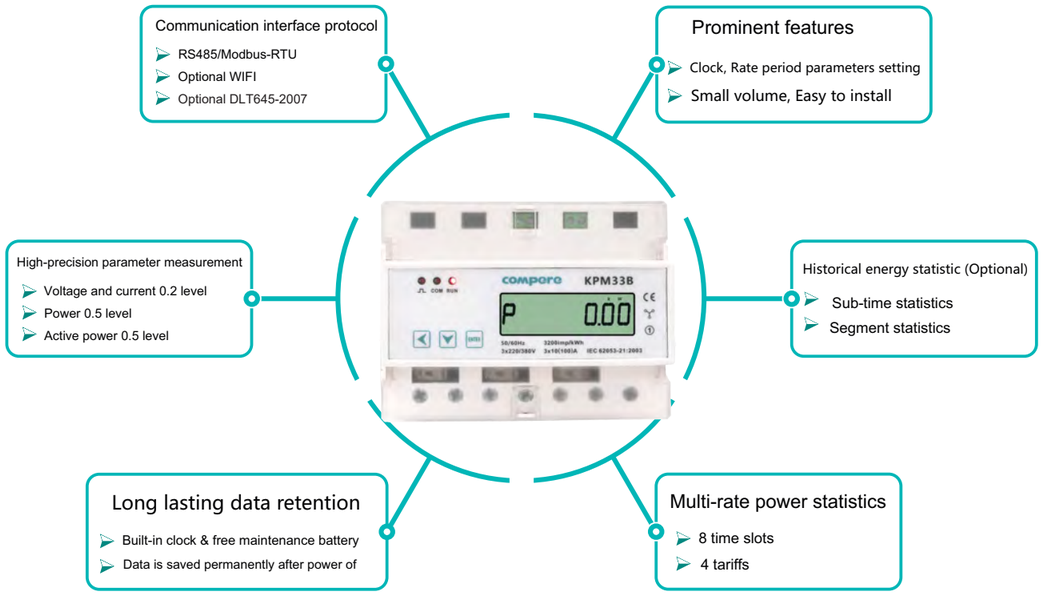
KPM33 Three-phase DIN rail smart energy meter



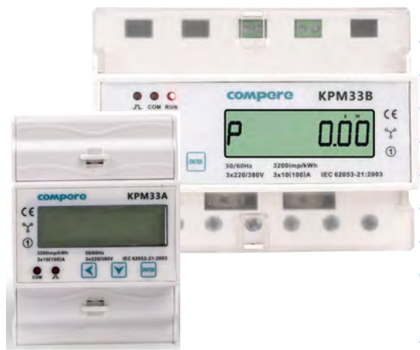
KPM33 three-phase smart energy meter with DIN35mm type installation structure, LCD display, measurement of electrical energy and other electrical parameters, it can set some parameter, such as the clock, rate period, and so on, it also own electrical energy pulse output function; default RS485 communication interface, optional WIFI connection.

The energy meter has the advantages of small physical protection, high precision, good reliability and convenient installation, and the performance indexes are in line with the requirements of the national standard and power industry standard. The technical requirements for government agencies and large public buildings in the measurement of electrical energy can also be used for enterprises and institutions for energy management assessment.

Product Features

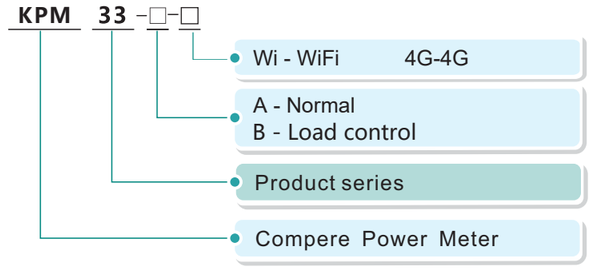


Function features



- Measurement of three-phase voltage, current, active power, reactive power, apparent power, power factor, frequency, active energy, reactive energy
- Multi-rate energy statistics, a day can be set up to eight time periods, four kinds of rates Historical
- power statistics function
- Rated current 0.2-100A
- LED indicates pulse, phase failure, reverse power, communication status
- 1 road passive optical coupler collector active pulse output
- Default RS485 communication port & Modbus protocol, optional WIFI/4G MQTT communication.
- 7 +1 bit LCD display a variety of power parameters and information
- Built-in clock and maintenance-free battery, real-time monitoring, data is permanently saved after power off
- 35mm standard DIN rail installation, beautiful appearance, easy installation
- Optional built-in relay for remote control

Products list



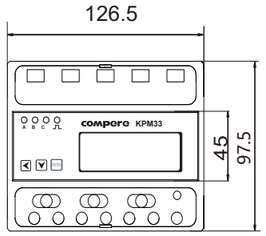
◆ Example: KPM 33B: Rated AC380V /0.2-100A
Multi-rate energy statistics, historical power statistic, load control three phase DIN rail smart meter.

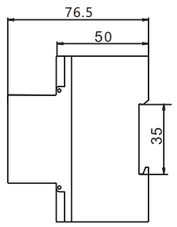
Application occasion

Intelligent distribution management system | Internal energy consumption statistical analysis and charging statistics basis | Energy metering, automatic meter reading system | Energy and energy efficiency management system

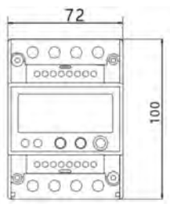
Product size

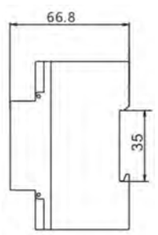
KPM33B





KPM33A



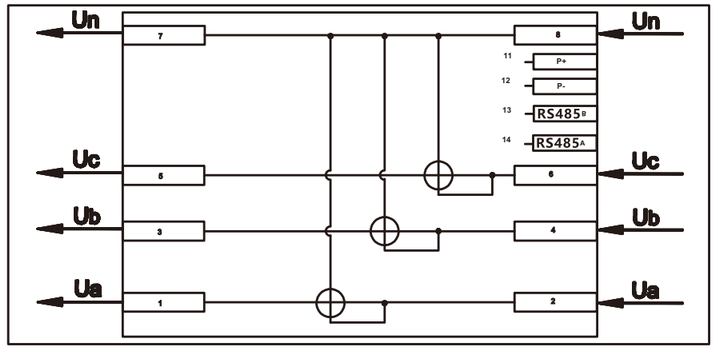


Technical Parameters

Input voltage	Rated voltage	3×220V/380V
	Overall power consumption	<2VA
	Frequency range	45~65Hz
Input current	Rated current	0.2-100A
	Frequency range	45~65Hz
Measure-ment accuracy	Voltage	±0.2%(0.01V)
	Current	±0.2%(0.01A)
	Active power	±0.5%(0.1W)
	Reactive power	±2.0%(0.1var)
	Active energy	±0.5%(0.1kWh)
	Reactive energy	±2.0%(0.1kvarh)
	Power factor	±0.5%(0.001)
	Frequency	±0.02Hz(0.01Hz)
Clock	Clock accuracy	<0.5S/D
Comm unication	Communication interface	RS485/WIFI/4G
	Communication protocol	Modbus-RTU,1200~19200bps; Optioanl WiFi, 4G
Electrical insulation	Power frequency withstand voltage	AC2kV/min~1mA Input-output-power source
	Insulation resistance	>50MΩ
	Impact voltage	5kV (Peak),1.2/50us
Working environ-ment	Operating temperature	-25℃ ~ +70℃
	Relative humidity	5%~95% No condensation
	Storage temperature	-30℃ ~ +75℃
	Altitude	No more than 4000m
Electrom-agnetic Compati-bility	Surge (impact) immunity	IEC61000-4-5,Level4
	Electrical fast burst immunity	IEC61000-4-4,Level4
	Electrostatic discharge immunity	IEC61000-4-2,Level4
	Power frequency magnetic field immunity	IEC61000-4-8,Level4

Typical wiring

KPM33A Low-voltage three-phase four-wire directly wiring diagram



KPM33B low-voltage three-phase four-wire load control direct wiring diagram