SMART ELECTRICITY METER

AK INFOS
The IoT Specialists

- Eliminates manual monthly meter readings.
- Monitors the electric system in real time.
- Encourages more efficient use of power resources.
- Remote electricity meter reading.
- Cost-saving remote disconnect functionality.
- Designed for seamless integration.

Features:

Measurement function:

1. It has the metering function of forward active power and reverse active power, can storeits data, and can set up group active power accordingly
2. With time-sharing metering function, the active electric energy is accumulated according to the corresponding time period, and the total, sharp, peak, flat and valley electric energy is stored
3. Storage of total power and charge rates for 12 months

Measurement and monitoring:

1. It can measure, record and display the current voltage, current (including zero line current), power, power factor and other operating parameters of the current watt-hour meter. The measurement error (reference error) shall not exceed ± 1%.

Rates and periods:

1. There are two sets of schedule of rates, which can be automatically converted at the agreed time; Each set of rates supports 4 rates.
2. With calendar and clock, it can set 2 time zones throughout the year, and can be programmed for 8 times within 24 hours; The minimum interval is 15min. Time periods can span zero settings
3. support the modification of time zone table and time table through the infrared and RS485 communication interface, and have security measures to prevent unauthorized operation

Display function:

1. Display the monthly cumulative electricity consumption in the current month and the previous month, the cumulative electric energy indicator of each rate and the total cumulative electric energy indicator.Current time, communication status prompt, electricity meter number.
2. LCD backlight wake up mode, including key wake up, infrared wake up (anyinfrared device can wake up) and other ways; In normal use, LCD life is not less than 10 years.

Timing function:

1. built-in hardware clock circuit with temperature compensation function is adopted, with the function of automatic conversion of calendar, timekeeping and leap year.
2. Within the temperature range of -25C ~ +60C , clock accuracy ≤ ±1s/d; At reference temperature (23C), clock accuracy ≤ ±0.5s/d.

Pulse output:

The electricity meter has LED pulse and electrical pulse output function proportional to the measured electric energy

Freezing Function:

It can realize time freezing, instantaneous freezing, agreed freezing, daily freezing, and hourly freezing. The frozen contents and corresponding data identification are in line with DL/T 645-2007 and its requirements for filing documents.

Data storage:

The meter has more than 90 days of hourly usage data, more than 180 days of daily data, and more than one year of monthly usage data..

Battery : Lithium Battery 7.2V*2

AK INFOS LLC #510, Level 5, ASMAWI BUILDING,Street 70, DIP 1, DUBAI - UAE. ☎ +971 4 220 2200. support@akinfos.com. www.akinfos.com