

AMI Solution Products

DDZY1789-Z/D Single Phase Prepayment Smart Meter

Overview

Friendcom DDZY 1789-Z/D Single phase prepayment smart meter has functions of TOU, step billing and freezing, and is suitable for residential users who use PLC/micro-power Wireless/Hybrid networking for remote meter reading and remote fee control.

Key Features

- The combined active energy can be calculated by measuring forward and reverse active energy.
- There are two sets of tariff time tables, each set of tariff supports 4 tariffs, up to 14 time zones can be set throughout the year, and at least set 14 time periods.
- Built-in hardware clock circuit with independent temperature compensation function, with calendar, timing and leap year automatic conversion functions.
- It can measure grid parameters such as voltage, current (including neutral line), active power and power factor.
- It can record the time and meter status when programming, opening the cover, power failure, time calibration, tripping and other events occur.
- It has a backlight meter reading query function; the display content can be switched by pressing buttons, and the display items can be flexibly configured through communication ports.
- Scheduled freeze; instant freeze; daily freeze; hourly freeze.
- Without IC card slot, supports remote fee control.
- There are RS-485 and far infrared communication interfaces, and each physical communication port is independent of each other.



Technical Parameter

Parameter	Value
Standard	GB/T 17215.321-2021 Q/GDW 1354-2020 Q/GDW 1355-2020 Q/GDW 1364-2020 DL/T 645-2007
Reference Voltage	AC 220V
Operating Voltage	80%Un ~115%Un
Accuracy	Class A
Current	0.25-0.5(60)A
Operating Temperature	-25°C~+60°C
Limiting Temperature	-40°C~+70°C
Frequency	(50±2.5)Hz
Power Consumption	< 1.5W, 10VA
Lifetime	16 years
Dimension(L×W×H)	160mm×112mm×58mm