

AMI Solution Products

DTZY1789-Z/D/G/C/4G Three Phase Prepayment Smart Meter

Overview

DTZY1789.Z/D/G/C/4G is a high-precision three phase prepayment smart meter to meet the requirement of the State Grid. Based on energy measurement, the meter focuses on expanding functions such as information storage and processing, real-time monitoring, automatic control and information interaction.

Key Features

- Forward, reverse active and four quadrant reactive energy measurement, combined active and reactive energy
- Support 4 tariffs and phase A/B/C measurement.
- Record the maximum power demand in both forward and reverse directions and the date and time of occurrence
- The maximum demand measurement adopts the sliding method, and the demand cycle and sliding time can be set
- Supports 12 rates and 14 time zones per year, and supports the Setting of special rate periods for holidays and public holidays
- The physical layers of the communication channels are independent of each other. Damage to any one communication channel will not affect the normal operation of other channels (RS485, infrared, PLC, micro-power wireless, GPRS)
- After the power supply of the instrument is lost, all stored data will be kept for more than 10 years
- Data initialization, event clearing, demand initialization, and event record recording



Technical Parameters

Parameters	Value
Standard	GB/T 17215.301-2007, GB/T 17215.321-2021 DL/T 698.45-2017
Reference Voltage	3*220V/380V
Operating Voltage	90%Un ~ 110%Un
Accuracy	Class A
Current	0.015-0.075(6)A
Operating Temperature	-25°C~+55°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