

# DIN Rail LoRaWAN Single Phase Energy Meter

Single-phase electronic energy meter with LoRaWAN connectivity for remote monitoring and control. Designed for DIN rail mounting, it operates at 220V 5(60)A 50Hz and complies with GB/T17215.321-2008 and DL/T 645-2007 standards.



## ADDITIONAL IMAGES



## Product Overview

### Smart Energy Metering Solution

The DDS155G2R-LoRaWAN is an advanced, all-digital single-phase electricity meter designed for precise energy monitoring in residential and enterprise environments. Featuring a compact 2P DIN rail design, it integrates seamlessly into existing electrical panels while offering robust LoRaWAN connectivity for remote, centralized data collection. With high-precision measurement capabilities and intelligent anti-theft functions, this meter provides reliable performance for modern IoT energy management systems.

## Core Technical Specifications

Power Consumption	0.6 W
Start Current	0.004 Ib
Dimensions	100mm x 36mm x 67mm
Expected Lifetime	10 years

## Environmental Conditions

Operating Temperature	-25°C to +60°C
Relative Humidity	<85% normally, up to 95% for 30 days/year

## Connectivity & Protocol

### Supported Frequencies

- 470 MHz
- 868 MHz
- 923 MHz

### Communication Protocol

DL/T645-2007

### Wireless Technology

LoRaWAN, Wireless Ad Hoc Network

## Measurement Capabilities

### Key Monitoring Metrics

**220 V**

Voltage

**50 Hz**

Frequency

**1200 imp/kWh**

Pulse Rate

### Monitored Data Points

- Combined Total Active Power
- Positive Active Total Power
- Reverse Active Total Power
- Voltage
- Current
- Active Power
- Grid Frequency
- Power Factor
- Meter Running Status