

# ZiyaoPower Smart Meter Series

## AMI-Ready Smart Electricity Meters

### 1. Application

ZiyaoPower **Smart Meter** series: single-phase and three-phase AMI-ready meters for residential, commercial, and industrial deployments. Multi-rate TOU metering, remote disconnect/reconnect, anti-tamper logging, modular communication.

### 2. Technical Specifications & Certifications

|                    |                                                         |
|--------------------|---------------------------------------------------------|
| Single-Phase       | DDZY102-Z (Direct 5(60)A, 5(80)A)                       |
| Three-Phase Direct | DSZY102-Z (Direct 5(80)A, 5(100)A)                      |
| Three-Phase CT/VT  | DTZY102-Z (CT 1(6)A, 3x57.7/100V)                       |
| Accuracy           | Active: Class 0.5S/1.0; Reactive: Class 2.0             |
| Communication      | RS485, IR, RF(470-510MHz), GPRS/4G/NB-IoT, G3-PLC       |
| TOU                | 4 tariffs/8 zones/4 seasons, 40+ holiday schedules      |
| Anti-Tamper        | Magnetic, cover removal, reverse phase, missing voltage |
| Standards          | IEC 62053-21/22/23, IEC 62056 (DLMS), GB/T 17215        |

### 3. Key Features

- Built-in relay: remote connect/disconnect with load limit control
- Multi-constellation GPS time sync for accurate TOU metering
- Prepaid option with STS token encryption (IEC 62055)
- Net-metering ready: bidirectional measurement for rooftop solar
- Tamper event log: 100+ event types with timestamp
- 10+ year battery life for RTC and display during outage
- Remote firmware upgrade via DLMS/COSEM

### 4. How to Order

[DDZY/DSZY/DTZY]102-Z-[I][Comm]-[Options]

Example: DTZY102-Z-1(6)A-4G+PLC TOU Net-Metering

### 5. Certifications

- IEC 62053-21/22/23: Static meters for active/reactive energy
- IEC 62056 (DLMS/COSEM): Data exchange for meter reading
- GB/T 17215: Chinese smart meter standards
- ISO 9001 | CCC | CE (MID pending)