DDS28A
Waterproof Electronic Meter

DDS28A single-phase watt-hour meter adopts LSI technology with advanced processing; characterized with high reliability and light in weight; These products are particularly suitable for the purpose of revenue metering of domestic and small commercial consumers who purchase power with the system voltage from 168 to 288 Volts in the city or countryside.

This meter complies with IEC 62053-21 and TISI.2543-2555 (Thailand Standard). It is suitable for the users in electric utility, residential building, university, apartment project, etc.

FEATURES

- Support 4 of TOU tariff.
- Support optical port communication.
- Waterproof design.
- Large LCD Display.

MEASUREMENTS

- The meter measure the active energy in both directions.
- Network Status (Current reverse, Bypass).
- It measures the in instantaneous value:
    Voltage,
    Current,
    Active Power,
    Power Factor.

ANTI-TAMPER & EVENT

- Meter cover open.
- Terminal cover open.
- Power off.
- Bypass.
- Current reverse.

DISPLAY

- Support 2 display mode.
  - Scrolling display
  - Power off display
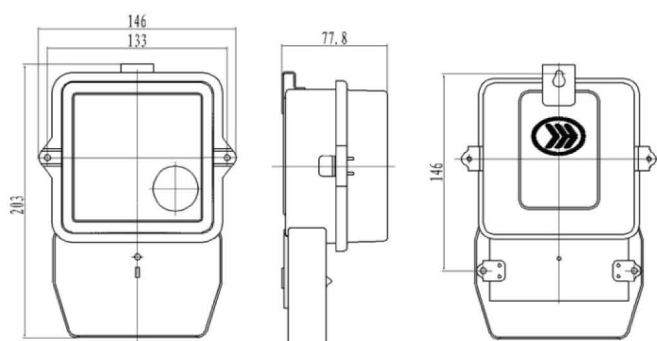- The display items can be defined.

LOAD PROFILE

- Each channel contains 4,320 records (45 Days at 15 minutes of time interval).
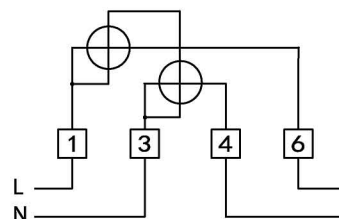- Up to 8 channels (kWh, kW, Voltage, Current, Power Factor).

HIGHLIGHT

| Waterproof | Anti-tamper | Load profile | Neutral current measurement | Time-of-use |

SPECIFICATION

No.	Item	Description
1	Connection	Direct Type
2	Connection wiring	1Phase 2Wire
3	Standard	IEC 62053-21 TIS2543-2555 (Thailand)
4	Accuracy class	Active Class 1
5	Rated voltage	220V, 230V, 240V
6	Rated current	5(15)A, 15(45)A, 30(100)A
7	Rated frequency	50Hz, 60Hz
8	Protection class	IP54 (Outdoor)
9	Power consumption	≤2W/10VA (Voltage circuit), ≤4VA (Current circuit)
10	AC voltage test	4kV, 1min
11	Impulse voltage test	8kV, 1mim
12	Operation temperature	-10℃ ~ 70℃
13	Storage temperature	-55℃ ~ 85℃
14	Clock accuracy	≤1s/Day
15	Battery capacity	Li 1200mAh/3.6V
16	Local communication	Optical port communication
17	Remote communication	RS485, PLC, RF
18	Meter function	Waterproof design, Support TOU 4 tariff.
19	Dimension (WxHxD)	230x146x78mm
20	Weight	1.0Kg

DIMENSION & CONNECTION

Dimension (Unit:mm)

Connection

dlms device language message specification

MASCI ISO 9001 QMS 04095/965

NAC QMS 002

KEMA