

DDSF1946-2M



Programmable
MID Certification



FUNCTION

- ⦿ **Accuracy**
 - Active energy Class index B
- ⦿ **Communication**
 - Interface: RS485
 - Protocol: Modbus-RTU

MAIN FEATURES

- ⦿ **Measuring**
 - V/A/P/Q/PF/F/±kWh
- ⦿ **Energy Metering**
 - Bi-directional energy
 - Tariffs

APPLICATIONS



Intelligent
Buildings

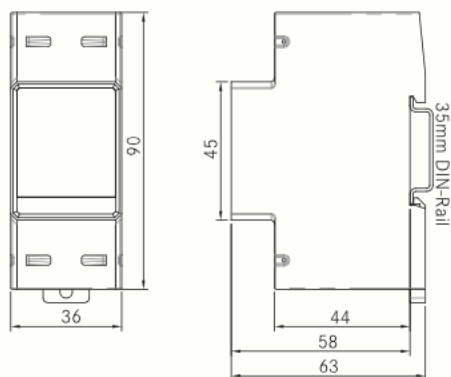


EV
Charger

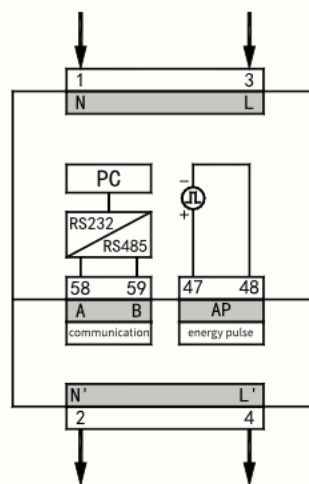


Remote Power
Monitoring

DIMENSIONS



TYPICAL WIRING



MODEL

| Function | DDSF1946-2M | |
|-----------------------|-------------------------------|-------------|
| Wiring | 1P2W | ■ |
| Voltage | 230V | ■ |
| Current | Direct | 0.25-5(63)A |
| Real-time measurement | U, I, P, Q, S, PF, Hz | ■ |
| Energy metering | Bi-directional energy | ■ |
| | Four-quadrant reactive energy | ■ |
| | Tariff energy | ■ |
| Demand | | ■ |
| Max/Min value | | ■ |
| Event log | | ■ |
| RS485 Interface | | ■ |
| Energy pulse | | ■ |
| Display | | LCD |

NOTE: *■*: Yes



TECHNICAL SPECIFICATION

| Electrical characteristics | | |
|-------------------------------|--------------------------------------|---|
| Accuracy class | | Class B |
| Rated voltage | | 230V |
| Frequency | | 50/60 Hz |
| Wiring mode | | Single-phase |
| Operating voltage range | | 0.8Un ~ 1.2Un |
| Power consumption | Power consumption of voltage circuit | <4VA |
| | Power consumption of current circuit | <1VA |
| Energy pulse | | 1 channel active energy pulse, pulse width |
| Clock error | | ≤0.5s/day |
| Communication characteristics | | |
| RS485 communication interface | | Modbus RTU communication protocol, baud rate up to 9600bps |
| Mechanical properties | | |
| Dimensions(mm) | | 36×90×63.5 |
| IP protection | | IP20 |
| Ambient condition | | |
| Working temperature | | - 25 °C ~ +70 °C |
| Relative humidity | | (5~95)%, Non condensing |
| Operating altitude | | Altitude ≤2000m |
| Pollution degree | | No corrosive gas |
| Insulation | | Resistance of signal, power supply and output terminals to case ≥ 100MΩ |