

- kWh** **kvarh** **kVAh**
- 4 Quadrant measurement**
- WC** 100A/160A **CT** 1.5(6)A
- IEC** 62052-11, 62053-21, 62053-22
- IEC** Accuracy Class 1.0 / 0.5
- Load Profile**
- Maximum Demand**
- Event Log**
- Real-Time Clock**
- DLMS - COSEM Compliance**
- IP54** Ingress Protection
- RS485** RS485 Interface

S34U18


Electronic Revenue Smart Meter

S34U18 is a type of modernized and advanced three-phase four-wire energy meter. It's designed and produced according to the actual power consumption condition of residential consumers, adopting large-scale integrated circuit, digital processing technology and SMT technology.

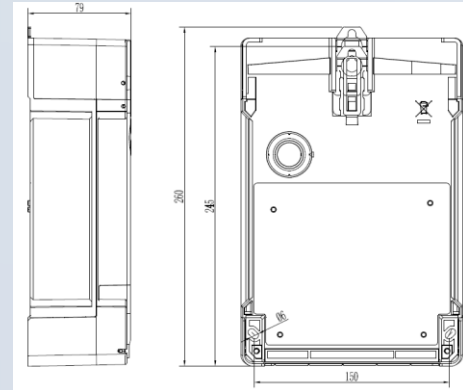
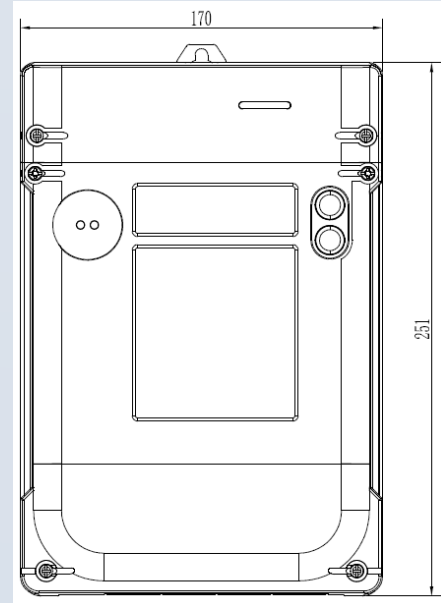
Key Feature

- Measurement of energy and demand.
- Data storage and display.
- DLMS/COSEM Compliant
- Instantaneous value and grid quality detection record.
- Multi-tariff.
- Infra-red, 2 RJ45 ports for RS485.
- Optical test output, electrical test output and second test output.
- Independent RTC battery and replacable external battery.
- Withstanding of phase neutral inversion, missing phases and missing neutral.
- Comply with IEC 62052-11 , 62053-21, 62053-22, 62053-23
- Internal Latching Relay to Connect/Disconnect Consumers
- Modular Communication Supported: PLC-PRIME, G3-PLC, 3G/4G, NB-IoT

Technical Specifications

| | | S34U18 -DC | S34U18 -CT | S34U18 -CTVT |
|---------------------|---------------------------|--|--|------------------------|
| Specification | | | | |
| Reference voltage | | 3 * 230V / 400 VAC 3 * 133V / 230 VAC | 3 * 230V / 400 VAC 3 * 133V / 230 VAC | CTVT:3*57.7/110 VAC |
| Voltage Range | | 0.8Un | | |
| Current | Nominal | 10A | 20A | 1.5A |
| | Max | 100A | 160A | 6A |
| Reference frequency | | 60HZ | | |
| Connection | | 3P4W | | 3P3W |
| Starting current | | 0.004 Ib | | |
| Output Pulse Ratio | | 1000 imp/kWh | | 10000 imp/kWh |
| | | 1000 imp/kWh | | 10000 imp/kWh |
| Temperature | Operation Range | -40~F PÖED ~F | | |
| | Limit Range for Storage | -40°C to 85 °C | | |
| | Limit Range for Transport | -40°C to 85°C | | |
| IP Rating | | IP54 | | |
| Accuracy | | Class 1.0 | Class 0.5 | |
| Power Consumption | Voltage Circuit | < 2.0W each phase | | |
| | Current Circuit | < 4VA each phase | | |
| Communication | | Standard Optical Port 2*RS485 | | |
| LCD Display | |  <p style="text-align: center;">Low battery: 1: For RTC 2: For Display</p> | | |

Dimensions



Overall Dimensions:
 WC100A 170x251x79mm
 WC160A 170x251x83mm
 CT & CTVT 170x251x79mm

Functional Specifications

- Active Energy (Import/Export), Reactive Energy (Import/Export)
- Maximum Demand, Cumulative Maximum Demand
- Load Profile for Energy & Demand Readings
- RTC/ Battery & Supper Capacitor
- No Power Reading with Scroll Button
- Anti-Tampering Features: Terminal Cover Open/Meter Top Cover Open/Neutral Missing/Phase Neutral Inversion/Magnetic Field Detection/Power Reverse
- Local & Remote Firmware upgradation

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