

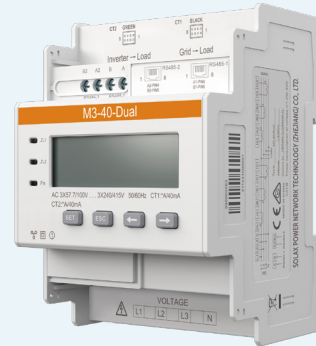
# Accessories



M1-40



M3-40



M3-40-Dual



Plug-and-play CT solution for easy installation



50ms high refresh rate for more precise and faster control



Intelligent phase sequence and CT direction adjustment, automatically resolving installation issues



Supports remote settings via SolaX Cloud APP



Separates strong and weak currents for enhanced security

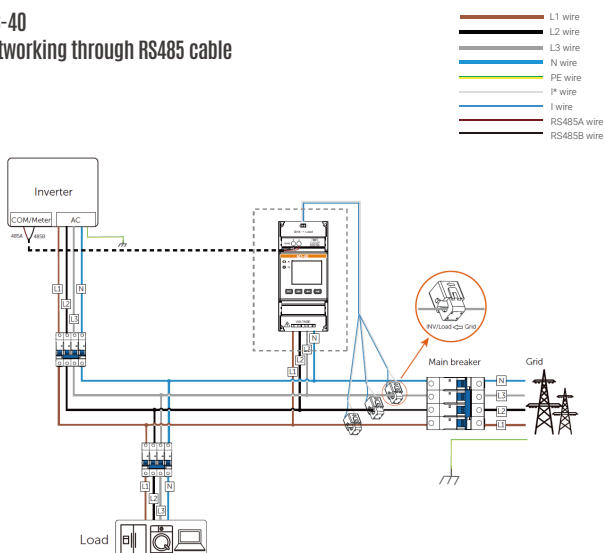


Capable of monitoring power from both the grid and third-party inverters simultaneously\*

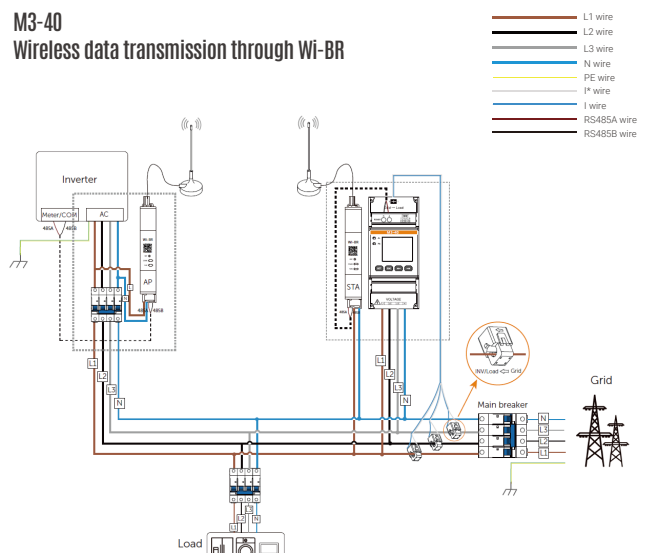
*\* supported only by the two-circuit model: M3-40-Dual*

## Solutions

### M3-40 Networking through RS485 cable

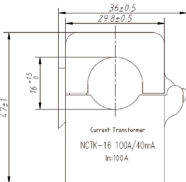
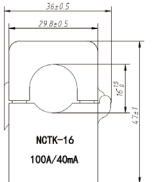
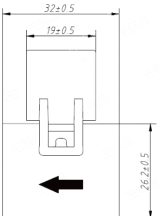
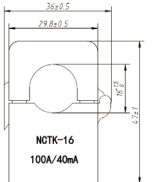
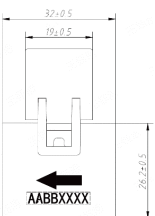
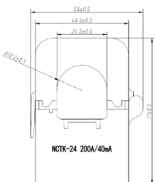
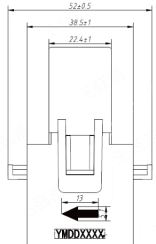
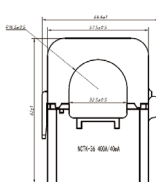
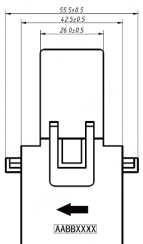
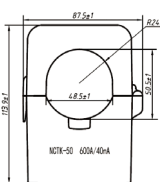
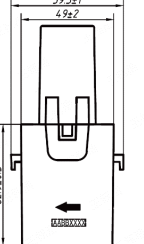


### M3-40 Wireless data transmission through Wi-BR



|                                         | M1-40                                                                              | M3-40                             | M3-40-Dual                         |
|-----------------------------------------|------------------------------------------------------------------------------------|-----------------------------------|------------------------------------|
| Power grid type                         | 1P2W                                                                               | 3P3W / 3P4W                       |                                    |
| Rated voltage                           | 220 V ~ 240 V                                                                      | 3 × 220 / 380 V ~ 3 × 240 / 415 V | 3 × 57.7 / 100 V ~ 3 × 240 / 415 V |
| Operating voltage                       | 100 V~288 V                                                                        | 100 V ~ 280 V                     | 50 V ~ 480 V                       |
| Current                                 | *A / 40 mA                                                                         |                                   |                                    |
| Recommended CT specification            | 100 A / 40 mA, 200 A / 40 mA, 400 A / 40 mA, 600 A / 40 mA                         |                                   |                                    |
| Recommended rogowski coil specification | 1000 A / 40 mA                                                                     |                                   |                                    |
| Power consumption                       | < 1.2 W                                                                            | < 1.5 W                           | < 1.2 W                            |
| Measurement accuracy class              | Voltage and current: Class 0.5<br>Active power: Class 1<br>Reactive power: Class 2 |                                   |                                    |
| Resolution requirement                  | Active power: 0.1 W      Frequency: 0.001 Hz                                       |                                   |                                    |
| Frequency                               | 45 Hz ~ 65 Hz                                                                      |                                   |                                    |
| Frequency tolerance                     | 0.01 Hz                                                                            |                                   |                                    |
| Operating temperature                   | -40°C~70°C                                                                         |                                   |                                    |
| Operating humidity                      | ≤ 95% RH (non-condensing)                                                          |                                   |                                    |
| Operating altitude                      | < 4000 m                                                                           |                                   |                                    |
| Degree of protection                    | IP20                                                                               |                                   |                                    |
| Dimensions (W x H x D)                  | 18 mm × 100 mm × 65.5 mm                                                           | 45 mm × 100 mm × 65.5 mm          | 72 mm × 100 mm × 65.5 mm           |

|                       | SCT-16 Split Core<br>100A/40mA | SCT-16 Split Core<br>100A/40mA(3in1) | SCT-24 Split Core<br>200A/40mA(3in1) | SCT-36 Split Core<br>400A/40mA(3in1) | SCT-50 Split Core<br>600A/40mA(3in1) |
|-----------------------|--------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| Frequency             | 50 / 60 Hz                     |                                      |                                      |                                      |                                      |
| Rated current         | 100 A                          | 100 A                                | 200 A                                | 400 A                                | 600 A                                |
| Rated output          | 40 mA (AC)                     |                                      |                                      |                                      |                                      |
| Inner Diameter        | 16mm                           | 16mm                                 | 24mm                                 | 36mm                                 | 50mm                                 |
| Secondary load        | 20 Ω                           |                                      |                                      |                                      |                                      |
| Accuracy              | Class 0.5                      |                                      |                                      |                                      |                                      |
| Transformation ratio  | 2500:1                         | 2500:1                               | 5000:1                               | 10000:1                              | 15000:1                              |
| Installation          | Split-Core                     |                                      |                                      |                                      |                                      |
| Altitude              | ≤ 4000 m                       |                                      |                                      |                                      |                                      |
| Operating temperature | -40 °C~85 °C                   | -40 °C~70 °C                         |                                      |                                      |                                      |
| Operating humidity    | ≤ 95%                          | ≤ 70%                                |                                      |                                      |                                      |
| Dielectric strength   | 3 kV / 1 mA / 1 min            |                                      |                                      |                                      |                                      |
| Insulation resistance | 500 MΩ / 500 Vdc               |                                      |                                      |                                      |                                      |
| Case material         | PA / UL 94-V0                  |                                      |                                      |                                      |                                      |
| Bobbin                | \                              | PBT / UL 94-V0                       |                                      |                                      |                                      |
| Core                  | Ferrite                        |                                      |                                      |                                      |                                      |
| Enameled wire         | Copper                         |                                      |                                      |                                      |                                      |
| Leads                 | UL 1581, 24 AWG                |                                      |                                      |                                      |                                      |
| Certification         | CE, UL, RoHS, REACH            |                                      |                                      |                                      |                                      |
| Line length           | 2 m                            |                                      |                                      |                                      |                                      |

|               |                                                                                                                                                                                                                                                                   |                                                                                                                                                                            |                                                                                                                                                                            |                                                                                                                                                                                |                                                                                                                                                                                |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dimension(mm) | <br><br> | <br> | <br> | <br> | <br> |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|