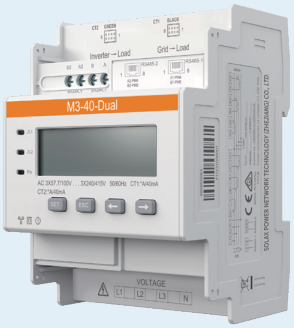
Accessories



M1-40



M3-40



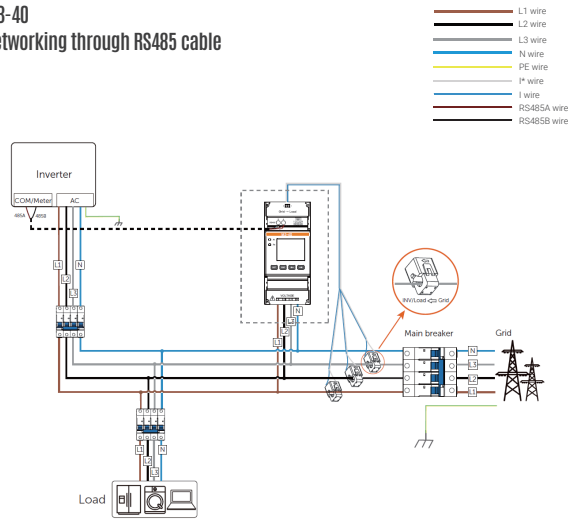
M3-40-Dual

- Plug-and-play CT solution for easy installation
- Supports remote settings via SolaX Cloud APP
- 50ms high refresh rate for more precise and faster control
- Separates strong and weak currents for enhanced security
- Intelligent phase sequence and CT direction adjustment, automatically resolving installation issues
- Capable of monitoring power from both the grid and third-party inverters simultaneously*

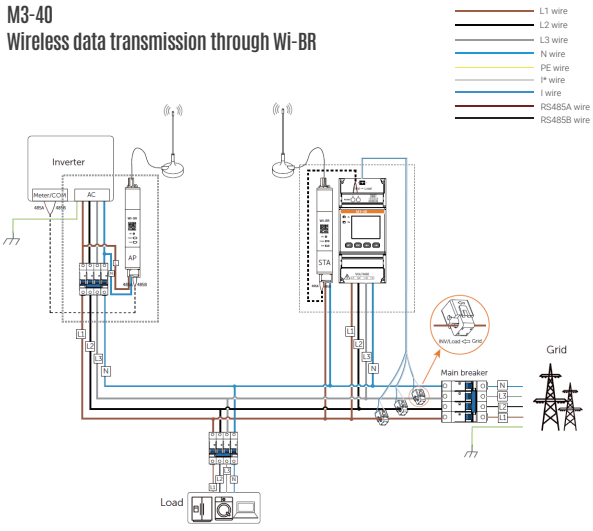
** supported only by the two-curcuit model: M3-40-Dual*

Solutions

M3-40
Networking through RS485 cable



M3-40
Wireless data transmission through Wi-BR



V1.4. Information may be subject to modify without notice. 650.00079.00

SOLAX POWER | BVB 09 PARTNER

	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 Active power: Class 1 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 100A/40mA	SCT-16 Split Core 100A/40mA(3in1)	SCT-24 Split Core 200A/40mA(3in1)	SCT-36 Split Core 400A/40mA(3in1)	SCT-50 Split Core 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)	