

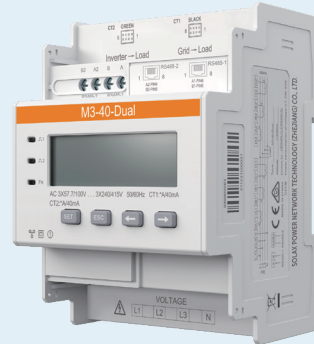
Accessories



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

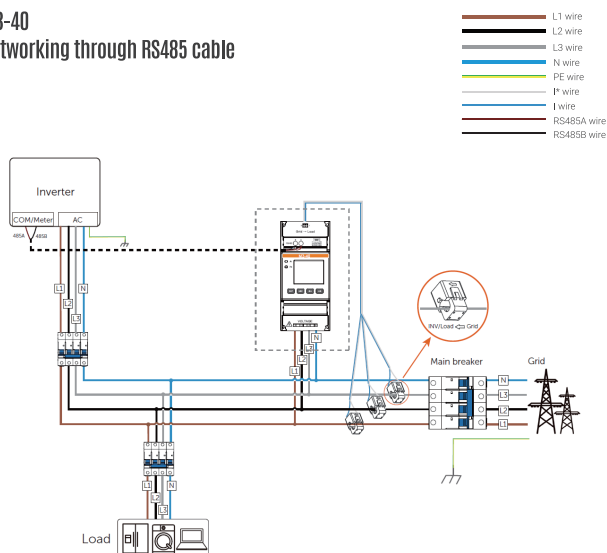


Capable of monitoring power from both the grid and third-party inverters simultaneously*

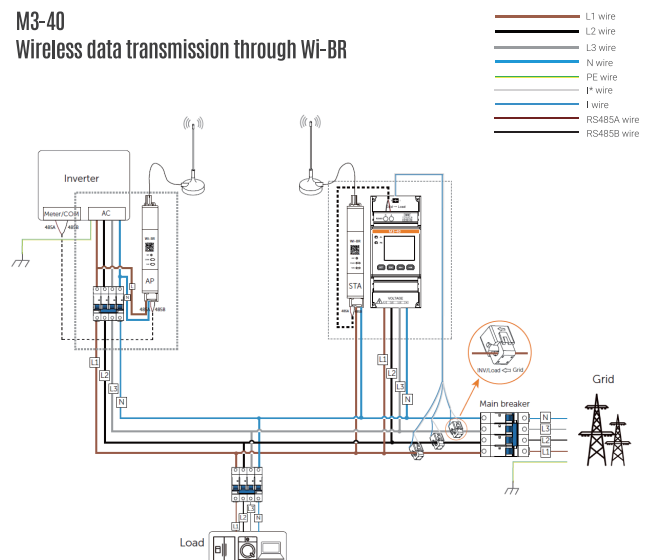
* supported only by the two-circuit model: M3-40-Dual

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, 1000 A / 40 mA, 1500A / 40mA, 2000A / 40mA		
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 × H × 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)

