Automatic Transfer Switch Equipment
M2Rxxx-xxx/2

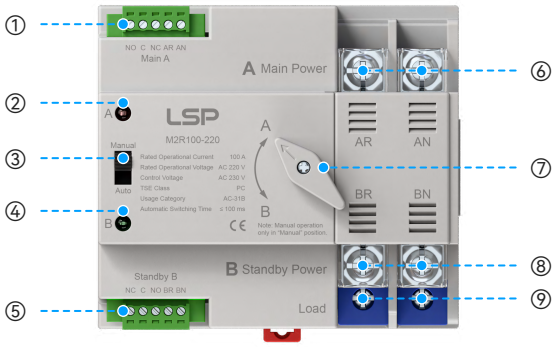
- PC-Class change-over switch
- Dual power supply design: power supply A (main) and power supply B (standby)
- Supports AC systems with a rated current of 6 A to 100 A
- Automatic switching within 100 milliseconds
- Compliance with IEC 60947-6-1:2021

The M2R100 Automatic Transfer Switching Equipment (ATSE) is a PC-class miniature power transfer device designed for residential applications. It supports dual power inputs from a main and a backup source. In the event of a main power failure or abnormality, the device automatically transfers to the backup power within 100 milliseconds, ensuring continuous and reliable power supply. It is suitable for low-voltage AC systems rated from 6A to 100A at 50/60Hz, features DIN rail mounting, and complies with IEC 60947-6-1:2021 standards.

Technical Data

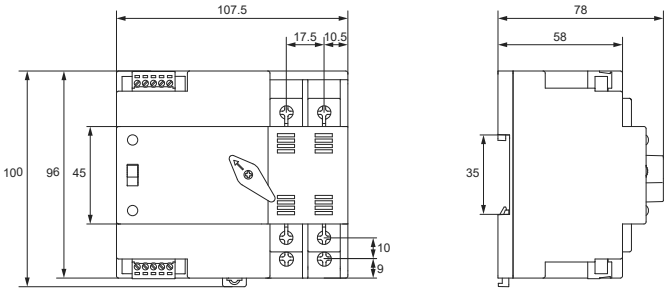
M2Rxxx-xxx/2		L2R40-110/2	L2R63-110/2	L2R100-110/2	L2R40-220/2	L2R63-220/2	L2R100-220/2
IEC Electrical							
Rated Operational Voltage (AC)	U_e	110 V	110 V	110 V	220 V	220 V	220 V
Case Grade		100 A					
Rated Operational Current	I_e	40 A	63 A	100 A	40 A	63 A	100 A
Rated Insulation Voltage	U_i	690 V					
Rated Impulse Withstand Voltage	U_{imp}	8 kV					
Rated Frequency		50/60 Hz					
Automatic Switching Time		≤ 100 ms					
Pole Number		2P					
Usage Category		40 A / 63 A: AC-33iB 100A: AC-31B					
Rated Conditional Short-Circuit Current	I_q	50 kA					
Short-Circuit Protection Device (Fuse)		RT16-00-63A					
Rated Impulse Withstand Voltage		8 kV					
TSE Class		PC-Class: Can Be Switched On and Loaded Without Generating Short-Circuit Current					
Control Circuit		Rated Control Voltage Us: AC 110 V / 230 V, 50/60 Hz Normal Working Conditions: 85% Us-110% Us					
Auxiliary Circuit		110 V / 230 V, 50/60 Hz, I_e=5 A					
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 85 V Recovery Value: 95 V Overvoltage Value: 145 V Recovery Value: 130 V (± 5 V)			Undervoltage Value: 175 V Recovery Value: 195 V Overvoltage Value: 260 V Recovery Value: 240 V (± 5 V)		
Mechanical Life		≥ 5000 Times					
Electrical Life		≥ 2000 Times					
Enclosure Material		PA66 FR					
Order Information							
Ordering Code							
M2Rxxx-xxx/2		4001220	6301220	1011220	4002220	6302220	1012220

Wiring Instructions



① Composite Terminal Block for Main Power A (Signalling & Motor Supply)
② Main Power Indicator
③ Manual / Automatic Selector Switch
④ Standby Power Indicator
⑤ Composite Terminal Block for Standby Power B (Signalling & Motor Supply)
⑥ Main Power Terminals (Main Power Input)
⑦ Manual Rotary Switch
⑧ Standby Power Terminals (Standby Power Input)
⑨ Load Terminals (Power Output to Load)

Dimensions & Packaging



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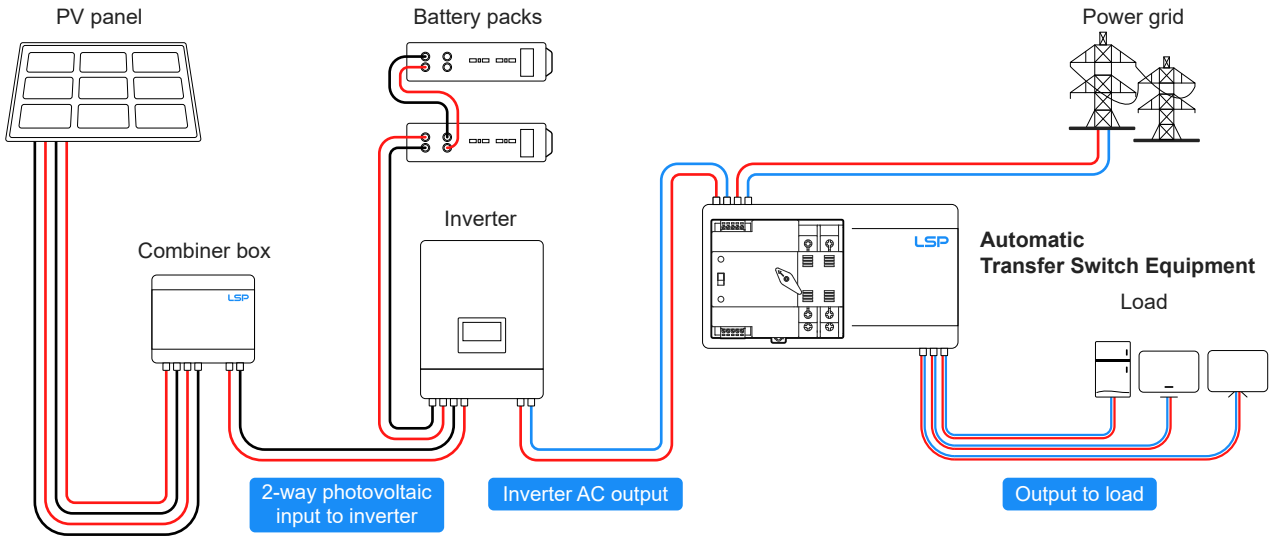
Packing Information	
Units per Carton	20 pcs
Product / Inner box / Carton Weight	0.51 kg / 0.1 kg / 0.5 kg
Net / Gross Weight per Carton	10.2 kg / 12.7 kg
Dimensions (H × W × L)	[300 × 290 × 555 mm]

Easy Installation Instructions



Automatic Transfer Switch Equipment
M2Rxxx-xxx/3

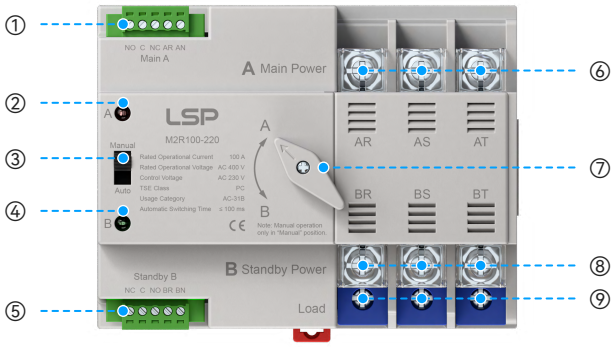
- PC-Class change-over switch
- Dual power supply design: power supply A (main) and power supply B (standby)
- Supports AC systems with a rated current of 6 A to 100 A
- Automatic switching within 100 milliseconds
- Compliance with IEC 60947-6-1:2021

The M2R100 Automatic Transfer Switching Equipment (ATSE) is a PC-class miniature power transfer device designed for residential applications. It supports dual power inputs from a main and a backup source. In the event of a main power failure or abnormality, the device automatically transfers to the backup power within 100 milliseconds, ensuring continuous and reliable power supply. It is suitable for low-voltage AC systems rated from 6A to 100A at 50/60Hz, features DIN rail mounting, and complies with IEC 60947-6-1:2021 standards.

Technical Data

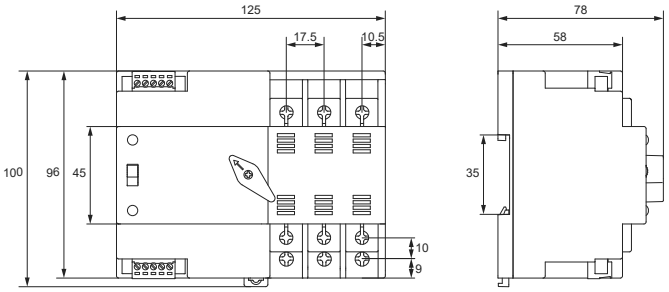
M2Rxxx-xxx/3		L2R40-110/3	L2R63-110/3	L2R100-110/3	L2R40-220/3	L2R63-220/3	L2R100-220/3
IEC Electrical							
Single-Phase Rated Voltage (phase-to-neutral) (AC)		110 V	110 V	110 V	220 V	220 V	220 V
Rated Operational Voltage (phase-to-phase) (AC)	U_e	200 V	200 V	200 V	400 V	400 V	400 V
Case Grade		100 A					
Rated Operational Current	I_e	40 A	63 A	100 A	40 A	63 A	100 A
Rated Insulation Voltage	U_i	690 V					
Rated Impulse Withstand Voltage	U_{imp}	8 kV					
Rated Frequency		50/60 Hz					
Automatic Switching Time		≤ 100 ms					
Pole Number		3P					
Usage Category		40 A / 63 A: AC-33iB 100A: AC-31B					
Rated Conditional Short-Circuit Current	I_q	50 kA					
Short-Circuit Protection Device (Fuse)		RT16-00-63A					
Rated Impulse Withstand Voltage		8 kV					
TSE Class		PC-Class: Can Be Switched On and Loaded Without Generating Short-Circuit Current					
Control Circuit		Rated Control Voltage Us: AC 110 V / 230 V, 50/60 Hz Normal Working Conditions: 85% Us-110% Us					
Auxiliary Circuit		110 V / 230 V, 50/60 Hz, I_e=5 A					
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 85 V Recovery Value: 95 V Overvoltage Value: 145 V Recovery Value: 130 V (± 5 V)			Undervoltage Value: 175 V Recovery Value: 195 V Overvoltage Value: 260 V Recovery Value: 240 V (± 5 V)		
Mechanical Life		≥ 5000 Times					
Electrical Life		≥ 2000 Times					
Enclosure Material		PA66 FR					
Order Information							
Ordering Code							
M2Rxxx-xxx/3		4001320	6301320	1011320	4002320	6302320	1012320

Wiring Instructions



① Composite Terminal Block for Main Power A (Signalling & Motor Supply)
② Main Power Indicator
③ Manual / Automatic Selector Switch
④ Standby Power Indicator
⑤ Composite Terminal Block for Standby Power B (Signalling & Motor Supply)
⑥ Main Power Terminals (Main Power Input)
⑦ Manual Rotary Switch
⑧ Standby Power Terminals (Standby Power Input)
⑨ Load Terminals (Power Output to Load)

Dimensions & Packaging



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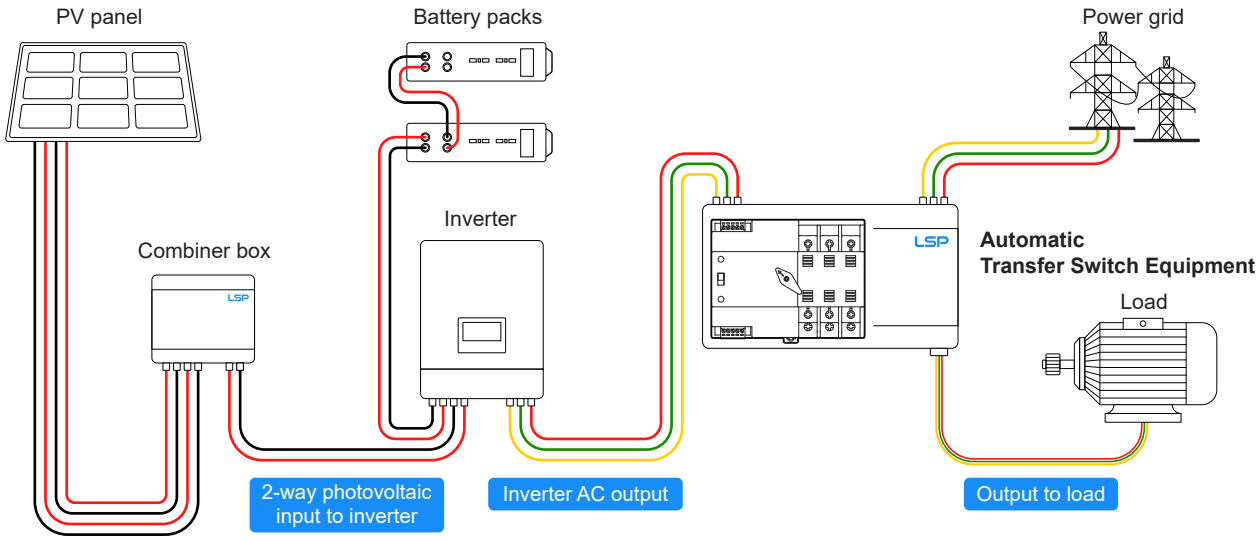
Packing Information	
Units per Carton	20 pcs
Product / Inner box / Carton Weight	0.64 kg / 0.1 kg / 0.5 kg
Net / Gross Weight per Carton	12.8 kg / 15.3 kg
Dimensions (H × W × L)	[300 × 330 × 555 mm]

Easy Installation Instructions



Automatic Transfer Switch Equipment
M2Rxxx-xxx/4

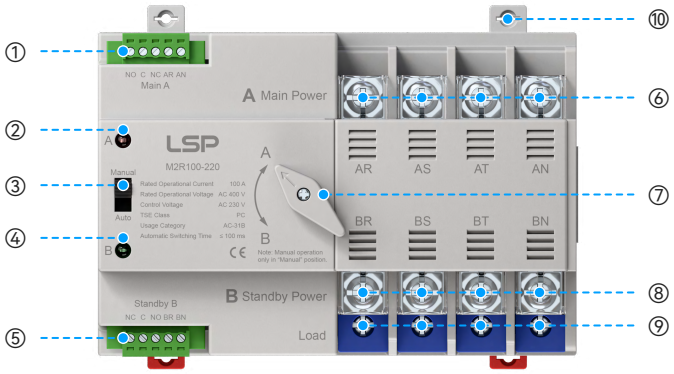
- PC-Class change-over switch
- Dual power supply design: power supply A (main) and power supply B (standby)
- Supports AC systems with a rated current of 6 A to 100 A
- Automatic switching within 100 milliseconds
- Compliance with IEC 60947-6-1:2021

The M2R100 Automatic Transfer Switching Equipment (ATSE) is a PC-class miniature power transfer device designed for residential applications. It supports dual power inputs from a main and a backup source. In the event of a main power failure or abnormality, the device automatically transfers to the backup power within 100 milliseconds, ensuring continuous and reliable power supply. It is suitable for low-voltage AC systems rated from 6A to 100A at 50/60Hz, features DIN rail mounting, and complies with IEC 60947-6-1:2021 standards.

Technical Data

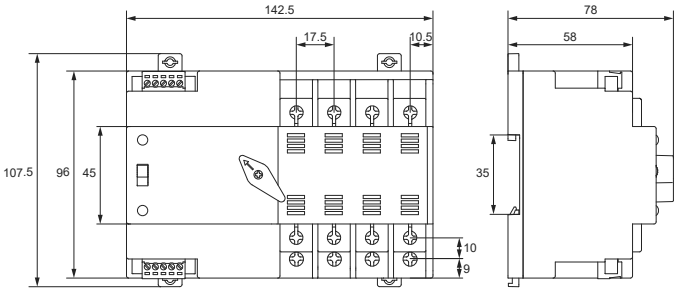
M2Rxxx-xxx/4		L2R40-110/4	L2R63-110/4	L2R100-110/4	L2R40-220/4	L2R63-220/4	L2R100-220/4
IEC Electrical							
Single-Phase Rated Voltage (phase-to-neutral) (AC)		110 V	110 V	110 V	220 V	220 V	220 V
Rated Operational Voltage (phase-to-phase) (AC)	U_e	200 V	200 V	200 V	400 V	400 V	400 V
Case Grade		100 A					
Rated Operational Current	I_e	40 A	63 A	100 A	40 A	63 A	100 A
Rated Insulation Voltage	U_i	690 V					
Rated Impulse Withstand Voltage	U_{imp}	8 kV					
Rated Frequency		50/60 Hz					
Automatic Switching Time		≤ 100 ms					
Pole Number		4P					
Usage Category		40 A / 63 A: AC-33iB 100A: AC-31B					
Rated Conditional Short-Circuit Curren	I_q	50 kA					
Short-Circuit Protection Device (Fuse)		RT16-00-63A					
Rated Impulse Withstand Voltage		8 kV					
TSE Class		PC-Class: Can Be Switched On and Loaded Without Generating Short-Circuit Current					
Control Circuit		Rated Control Voltage Us: AC 110 V / 230 V, 50/60 Hz Normal Working Conditions: 85% Us-110% Us					
Auxiliary Circuit		110 V / 230 V, 50/60 Hz, I_e=5 A					
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 85 V Recovery Value: 95 V Overvoltage Value: 145 V Recovery Value: 130 V (± 5 V)			Undervoltage Value: 175 V Recovery Value: 195 V Overvoltage Value: 260 V Recovery Value: 240 V (± 5 V)		
Mechanical Life		≥ 5000 Times					
Electrical Life		≥ 2000 Times					
Enclosure Material		PA66 FR					
Order Information							
Ordering Code							
M2Rxxx-xxx/4		4001420	6301420	1011420	4002420	6302420	1012420

Wiring Instructions



① Composite Terminal Block for Main Power A (Signalling & Motor Supply)
② Main Power Indicator
③ Manual / Automatic Selector Switch
④ Standby Power Indicator
⑤ Composite Terminal Block for Standby Power B (Signalling & Motor Supply)
⑥ Main Power Terminals (Main Power Input)
⑦ Manual Rotary Switch
⑧ Standby Power Terminals (Standby Power Input)
⑨ Load Terminals (Power Output to Load)
⑩ Mounting Hole (4P)

Dimensions & Packaging



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Packing Information	
Units per Carton	20 pcs
Product / Inner box / Carton Weight	0.7 kg / 0.1 kg / 0.5 kg
Net / Gross Weight per Carton	14.0 kg / 16.5 kg
Dimensions (H × W × L)	[300 × 360 × 555 mm]

Easy Installation Instructions