

Automatic Transfer Switch Equipment M2Rxxx-220/2



- 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 transfer time within 100 milliseconds
- Compliance: IEC 60947-6-1

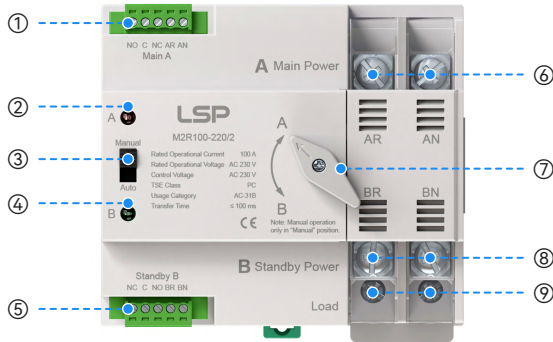
The M2R Automatic Transfer Switching Equipment (ATSE) is a PC-class miniature power transfer device designed for residential applications. It supports dual power inputs from a main and a backup source. In the event of a main power failure or abnormality, the device automatically transfers to the backup power within 100 milliseconds, ensuring continuous and reliable power supply. It is suitable for low-voltage AC systems rated from 6 A to 100 A at 50/60 Hz, features DIN rail mounting, and complies with IEC 60947-6-1:2021 standards.

Technical Data

M2Rxxx-220/2	M2R40-220/2	M2R63-220/2	M2R100-220/2
IEC Electrical			
Rated Operational Voltage (AC)	U _e	230 V	
Case Grade		100 A	
Rated Operational Current	I _e	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 Transfer 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 U _s : AC 230 V, 50/60 Hz Normal Working Conditions: 85% - 110% U _s	
Auxiliary Circuit		230 V, 50/60 Hz, I _e = 5 A	
Overvoltage / Undervoltage Protection Range		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-220/2	4002220	6302220	1012220

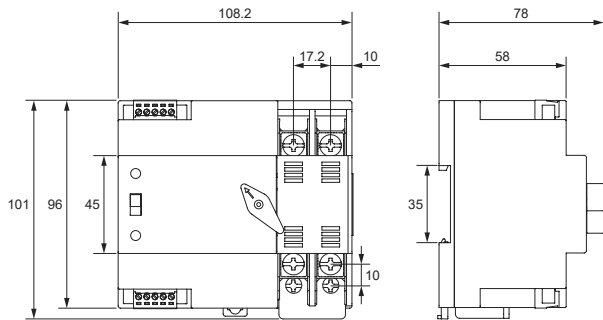


Product Overview



- 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

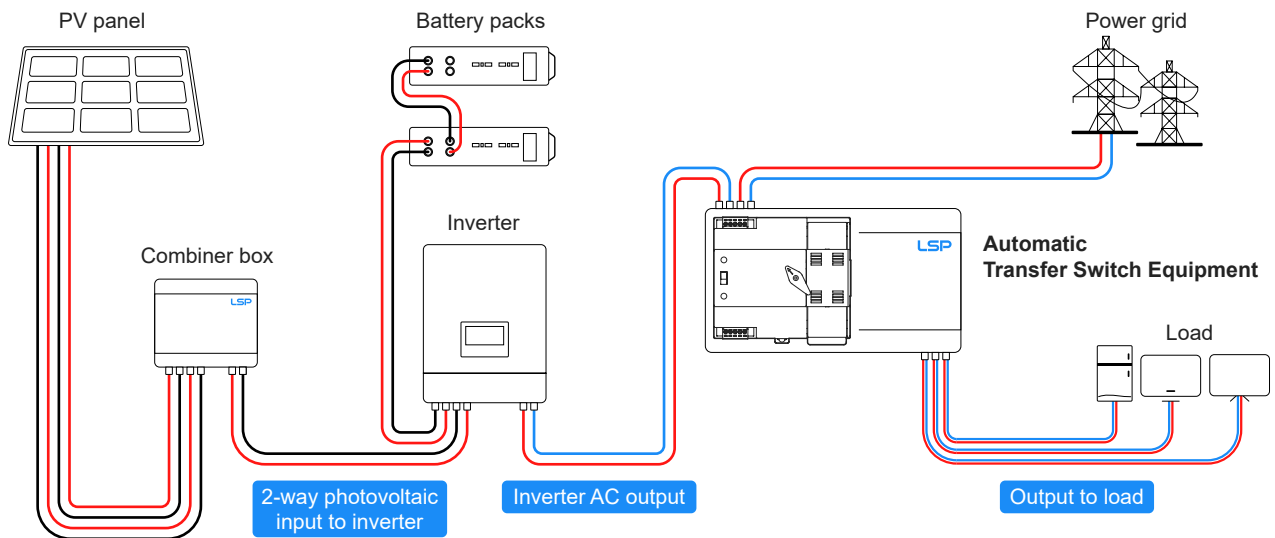


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Packing Information

Units per Carton	18 pcs
Product / Inner box / Carton Weight	0.55 kg / 0.1 kg / 0.5 kg
Net / Gross Weight per Carton	9.9 kg / 11.3 kg
Dimensions (H × W × L)	[270 × 235 × 350 mm]

Easy Installation Instructions



Automatic Transfer Switch Equipment

M2Rxxx-220/3



- 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 transfer time within 100 milliseconds
- Compliance: IEC 60947-6-1

The M2R 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 6 A to 100 A at 50/60 Hz, features DIN rail mounting, and complies with IEC 60947-6-1:2021 standards.

Technical Data

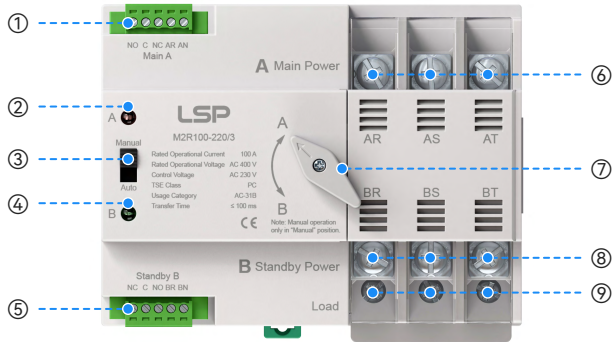
M2Rxxx-220/3	M2R40-220/3		M2R63-220/3		M2R100-220/3	
IEC Electrical						
Single-Phase Rated Voltage (Phase-to-Neutral) (AC)			230 V			
Rated Operational Voltage (Phase-to-Phase) (AC)		U _e	400 V			
Case Grade			100 A			
Rated Operational Current		I _e	40 A	63 A	100 A	
Rated Insulation Voltage		U _i	690 V			
Rated Impulse Withstand Voltage		U _{imp}	8 kV			
Rated Frequency			50/60 Hz			
Automatic Transfer 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 U _s : AC 230 V, 50/60 Hz Normal Working Conditions: 85% - 110% U _s			
Auxiliary Circuit			230 V, 50/60 Hz, I _e = 5 A			
Overvoltage / Undervoltage Protection Range			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-220/3	4002320	6302320	1012320

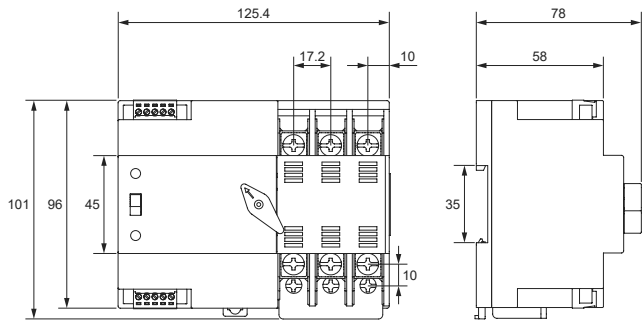


Product Overview



- 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

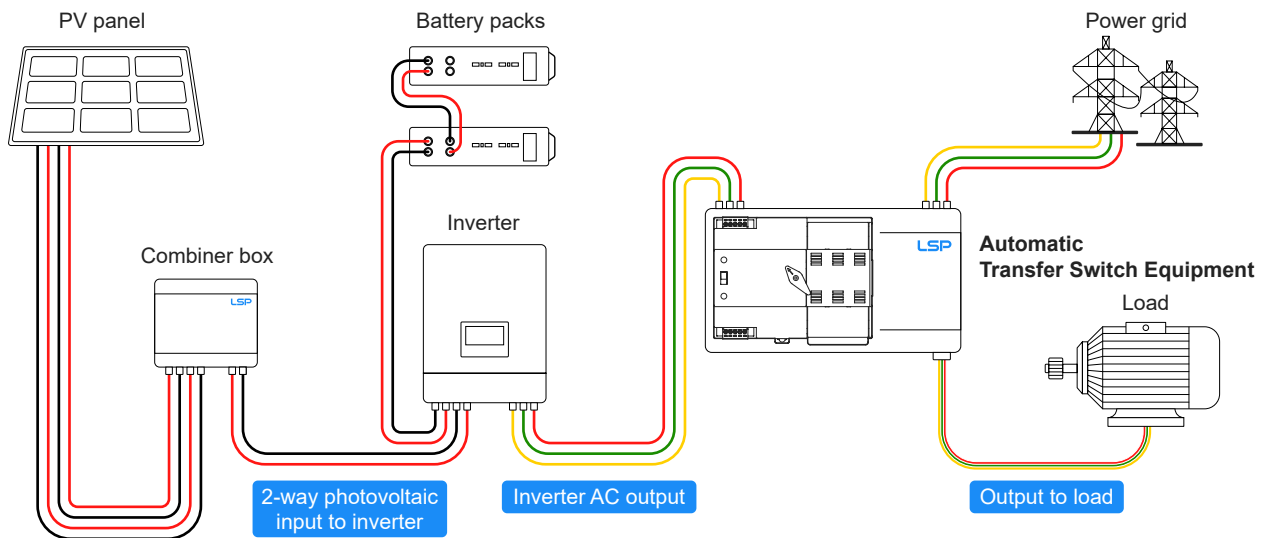


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Packing Information

Units per Carton	12 pcs
Product / Inner box / Carton Weight	0.68 kg / 0.1 kg / 0.5 kg
Net / Gross Weight per Carton	8.16 kg / 8.9 kg
Dimensions (H × W × L)	[195 × 305 × 350 mm]

Easy Installation Instructions



Automatic Transfer Switch Equipment M2Rxxx-220/4



- 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 transfer time within 100 milliseconds
- Compliance: IEC 60947-6-1

The M2R 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 6 A to 100 A at 50/60 Hz, features DIN rail mounting, and complies with IEC 60947-6-1:2021 standards.

Technical Data

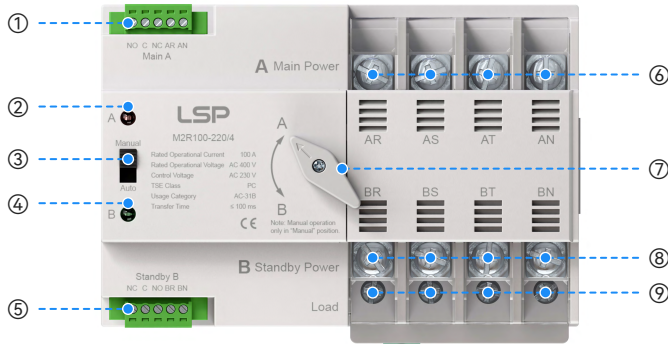
M2Rxxx-220/4		M2R40-220/4	M2R63-220/4	M2R100-220/4
IEC Electrical				
Single-Phase Rated Voltage (Phase-to-Neutral) (AC)			230 V	
Rated Operational Voltage (Phase-to-Phase) (AC)	U_e		400 V	
Case Grade			100 A	
Rated Operational Current	I_e	40 A	63 A	100 A
Rated Insulation Voltage	U_i		690 V	
Rated Impulse Withstand Voltage	U_{imp}		8 kV	
Rated Frequency			50/60 Hz	
Automatic Transfer Time			≤ 100 ms	
Pole Number			4P	
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 U_s : AC 230 V, 50/60 Hz Normal Working Conditions: 85% - 110% U_s		
Auxiliary Circuit		230 V, 50/60 Hz, $I_e = 5$ A		
Overvoltage / Undervoltage Protection Range		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-220/4	4002420	6302420	1012420	

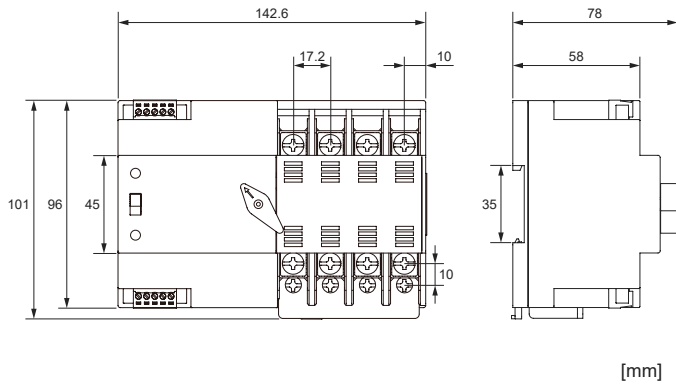


Product Overview



- 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



Packing Information

Units per Carton	12 pcs
Product / Inner box / Carton Weight	0.74 kg / 0.1 kg / 0.5 kg
Net / Gross Weight per Carton	8.88 kg / 9.5 kg
Dimensions (H × W × L)	[195 × 305 × 350 mm]

Easy Installation Instructions

