

Automatic Transfer Switch Equipment

Catalogue >

Reliability in
Transfer Switch

Automatic Transfer Switch Equipment

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Automatic Transfer Switch Equipment

L2Rxx-110/2



- PC-Class change-over switch
- Dual power supply design: power supply I (main) and power supply II (standby)
- Supports AC systems with a rated current of 6A to 32A
- Automatic transfer time within 100 milliseconds
- Compliance: IEC 60947-6-1

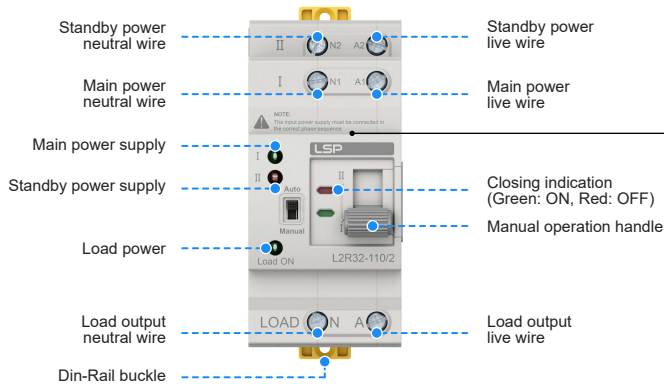
The L2R Automatic Transfer Switch Equipment (ATSE) is a PC-Class, infrequent change-over switch featuring a dual power supply design: power supply (I) as the main power and power supply (II) as the standby power. It supports AC systems with a rated current of 6 A to 32 A and a frequency range of 50/60 Hz. The ATSE automatically transfers to the standby power (II) when the main power (I) fails, with a switching time less than 100 milliseconds, ensuring effective protection against power outage disruptions.

Technical Data

L2Rxx-110/2	L2R10-110/2		L2R20-110/2	L2R32-110/2
IEC Electrical				
Rated Operational Voltage (AC)	U _e		110 V	
Case Grade			32 A	
Rated Operational Current	I _e	10 A	20 A	32 A
Rated Insulation Voltage	U _i		690 V	
Rated Impulse Withstand Voltage	U _{imp}		8 kV	
Rated Short-Time Withstand Current	I _{cw}		3 kA / 30 ms	
Rated Frequency			50/60 Hz	
Automatic Transfer Time			≤ 100 ms	
Pole Number			2P	
Usage Category			AC-31B	
Rated Conditional Short-Circuit Current	I _q		50 kA	
Short-Circuit Protection Device (Fuse)			RT16-00-32A	
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, 50/60 Hz Normal Working Conditions: 85% Us-110% Us		
Auxiliary Circuit		110 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)		
Mechanical Life		≥ 8000 Times		
Electrical Life		≥ 1500 Times		
Enclosure Material		PA66 FR		
Order Information				
Ordering Code				
L2Rxx-110/2		1001210	2001210	3201210

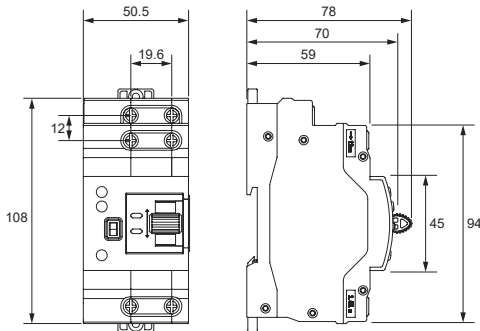


Product Overview



NOTE:
The input power supply must be connected in the correct phase sequence.

Dimensions & Packaging

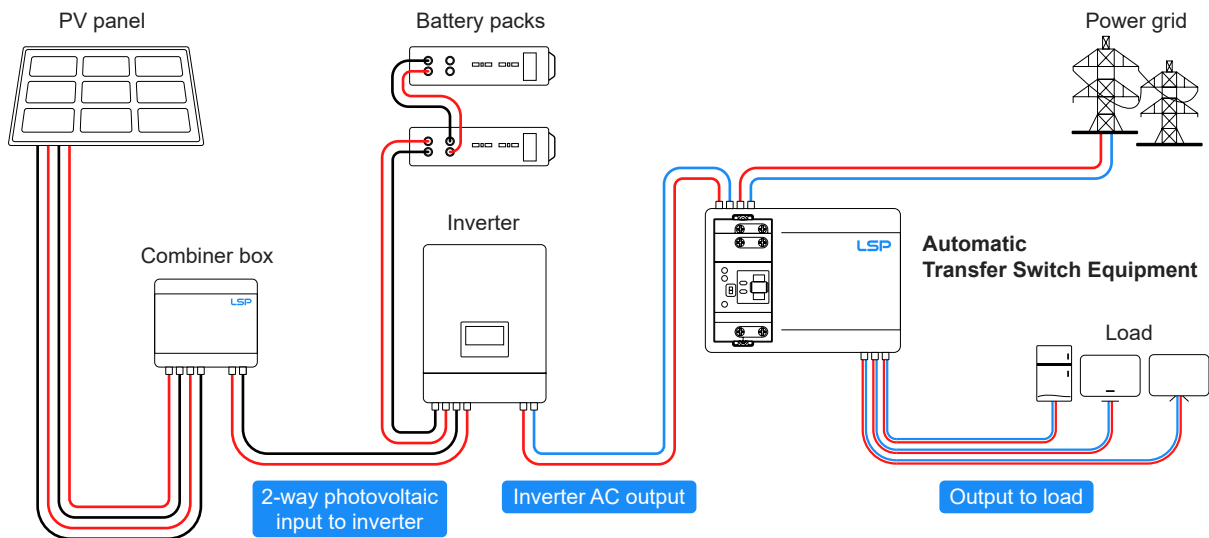


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Packing Information

Units per Carton	48 pcs
Product / Inner box / Carton Weight	0.355 kg / 0.04 kg / 0.49 kg
Net / Gross Weight per Carton	17.04 kg / 19.45 kg
Dimensions (H × W × L)	[275 × 265 × 470 mm]

Easy Installation Instructions



Automatic Transfer Switch Equipment

L2Rxx-110/4



- PC-Class change-over switch
- Dual power supply design: power supply I (main) and power supply II (standby)
- Supports AC systems with a rated current of 6A to 32A
- Automatic transfer time within 100 milliseconds
- Compliance: IEC 60947-6-1

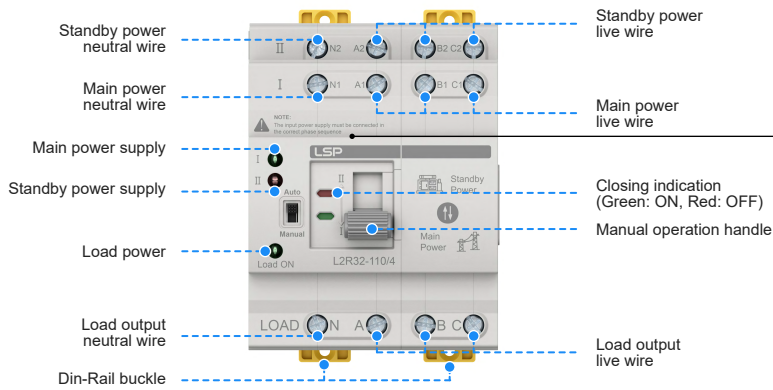
The L2R Automatic Transfer Switch Equipment (ATSE) is a PC-Class, infrequently operated change-over switch designed with a dual power input: power supply (I) serves as the main source, while power supply (II) acts as the standby. It is applicable to AC systems with rated currents from 10 A to 32 A and operating frequencies of 50/60 Hz. Upon failure of the main power (I), the ATSE automatically transfers to the standby power (II) within 20 milliseconds, ensuring continuous power supply and reliable protection against outages.

Technical Data

L2Rxx-110/4	L2R10-110/4		L2R20-110/4	L2R32-110/4
IEC Electrical				
Single-Phase Rated Voltage (Phase-to-Neutral) (AC)			110 V	
Rated Operational Voltage (Phase-to-Phase) (AC)	U _e		200 V	
Case Grade			32 A	
Rated Operational Current	I _e	10 A	20 A	32 A
Rated Insulation Voltage	U _i		690 V	
Rated Impulse Withstand Voltage	U _{imp}		8 kV	
Rated Short-Time Withstand Current	I _{cw}		3 kA / 30 ms	
Rated Frequency			50/60 Hz	
Automatic Transfer Time			≤ 100 ms	
Pole Number			4P	
Usage Category			AC-31B	
Rated Conditional Short-Circuit Current	I _q		50 kA	
Short-Circuit Protection Device (Fuse)			RT16-00-32A	
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 110 V, 50/60 Hz Normal Working Conditions: 85% U _s -110% U _s		
Auxiliary Circuit		110 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)		
Mechanical Life		≥ 8000 Times		
Electrical Life		≥ 1500 Times		
Enclosure Material		PA66 FR		
Order Information				
Ordering Code				
L2Rxx-110/4		1001410	2001410	3201410

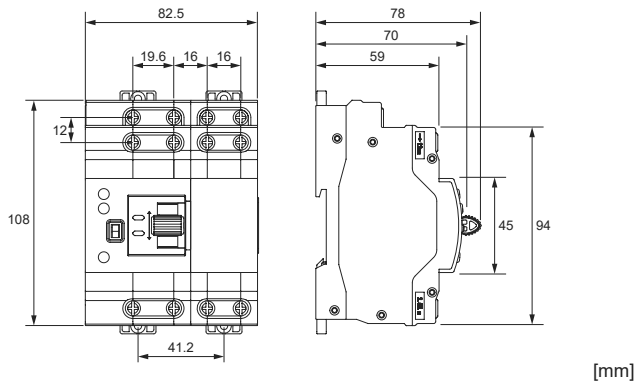


Product Overview



NOTE:
The input power supply must be connected in the correct phase sequence.

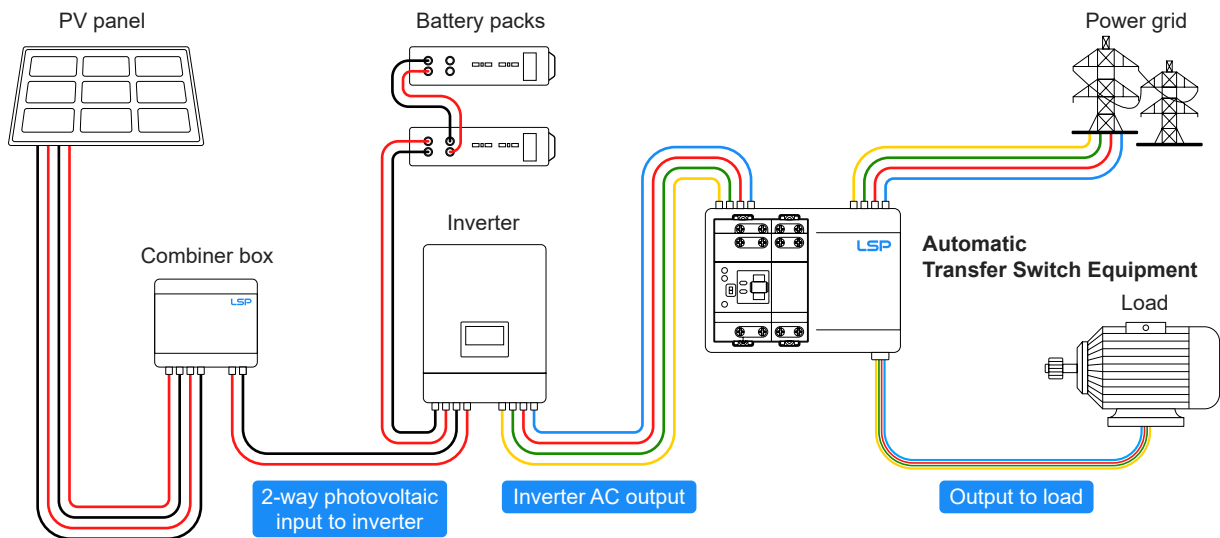
Dimensions & Packaging



Packing Information

Units per Carton	30 pcs
Product / Inner box / Carton Weight	0.54 kg / 0.05 kg / 0.49 kg
Net / Gross Weight per Carton	16.2 kg / 18.19 kg
Dimensions (H × W × L)	[275 × 265 × 470 mm]

Easy Installation Instructions



Automatic Transfer Switch Equipment L2Rxx-220/2



- PC-Class change-over switch
- Dual power supply design: power supply I (main) and power supply II (standby)
- Supports AC systems with a rated current of 6A to 32A
- Automatic transfer time within 100 milliseconds
- Compliance: IEC 60947-6-1

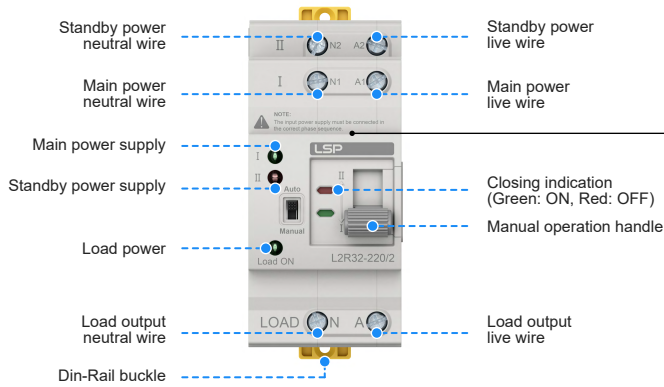
The L2R Automatic Transfer Switch Equipment (ATSE) is a PC-Class, infrequent change-over switch featuring a dual power supply design: power supply (I) as the main power and power supply (II) as the standby power. It supports AC systems with a rated current of 6 A to 32 A and a frequency range of 50/60 Hz. The ATSE automatically transfers to the standby power (II) when the main power (I) fails, with a switching time less than 100 milliseconds, ensuring effective protection against power outage disruptions.

Technical Data

L2Rxx-220/2	L2R10-220/2	L2R20-220/2	L2R32-220/2
IEC Electrical			
Rated Operational Voltage (AC)	U _e	230 V	
Case Grade		32 A	
Rated Operational Current	I _e	10 A	20 A 32 A
Rated Insulation Voltage	U _i	690 V	
Rated Impulse Withstand Voltage	U _{imp}	8 kV	
Rated Short-Time Withstand Current	I _{cw}	3 kA / 30 ms	
Rated Frequency		50/60 Hz	
Automatic Transfer Time		≤ 100 ms	
Pole Number		2P	
Usage Category		AC-31B	
Rated Conditional Short-Circuit Current	I _q	50 kA	
Short-Circuit Protection Device (Fuse)		RT16-00-32A	
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% U _s -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		≥ 8000 Times	
Electrical Life		≥ 1500 Times	
Enclosure Material		PA66 FR	
Order Information			
Ordering Code			
L2Rxx-220/2	1002210	2002210	3202210

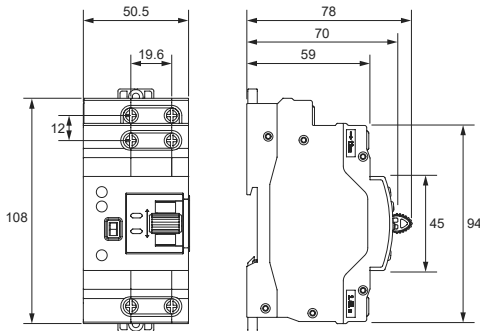


Product Overview



NOTE:
The input power supply must be connected in the correct phase sequence.

Dimensions & Packaging

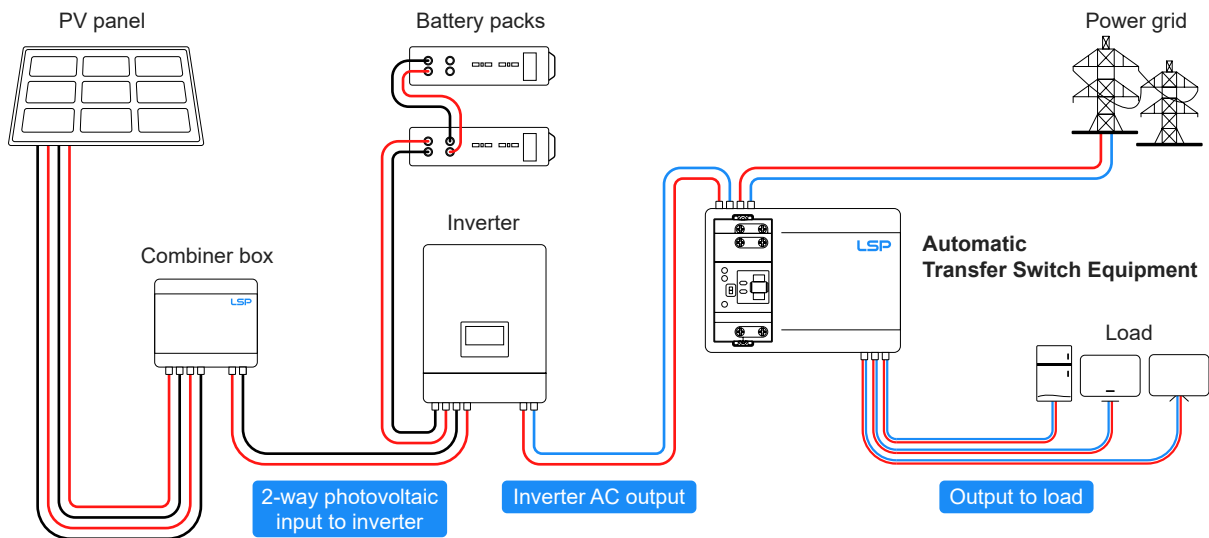


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Packing Information

Units per Carton	48 pcs
Product / Inner box / Carton Weight	0.355 kg / 0.04 kg / 0.49 kg
Net / Gross Weight per Carton	17.04 kg / 19.45 kg
Dimensions (H × W × L)	[275 × 265 × 470 mm]

Easy Installation Instructions



Automatic Transfer Switch Equipment

L2Rxx-220/4



- PC-Class change-over switch
- Dual power supply design: power supply I (main) and power supply II (standby)
- Supports AC systems with a rated current of 6A to 32A
- Automatic transfer time within 100 milliseconds
- Compliance: IEC 60947-6-1

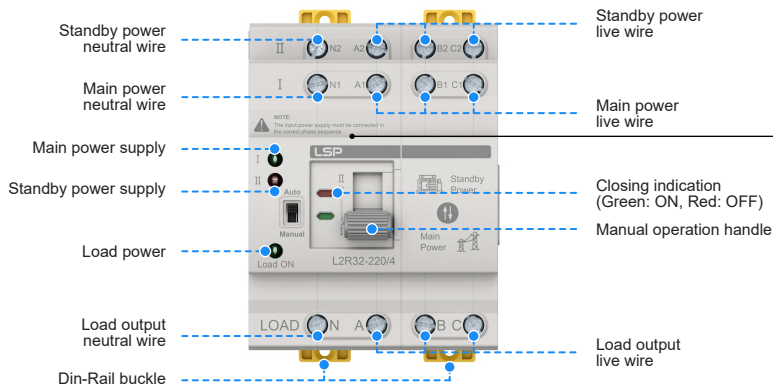
The L2R Automatic Transfer Switch Equipment (ATSE) is a PC-Class, infrequently operated change-over switch designed with a dual power input: power supply (I) serves as the main source, while power supply (II) acts as the standby. It is applicable to AC systems with rated currents from 10 A to 32 A and operating frequencies of 50/60 Hz. Upon failure of the main power (I), the ATSE automatically transfers to the standby power (II) within 20 milliseconds, ensuring continuous power supply and reliable protection against outages.

Technical Data

L2Rxx-220/4	L2R10-220/4		L2R20-220/4		L2R32-220/4	
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			32 A			
Rated Operational Current		I _e	10 A	20 A	32 A	
Rated Insulation Voltage		U _i	690 V			
Rated Impulse Withstand Voltage		U _{imp}	8 kV			
Rated Short-Time Withstand Current		I _{cw}	3 kA / 30 ms			
Rated Frequency			50/60 Hz			
Automatic Transfer Time			≤ 100 ms			
Pole Number			4P			
Usage Category			AC-31B			
Rated Conditional Short-Circuit Current		I _q	50 kA			
Short-Circuit Protection Device (Fuse)			RT16-00-32A			
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% U _s -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			≥ 8000 Times			
Electrical Life			≥ 1500 Times			
Enclosure Material			PA66 FR			
Order Information						
Ordering Code						
L2Rxx-220/4			1002410	2002410	3202410	

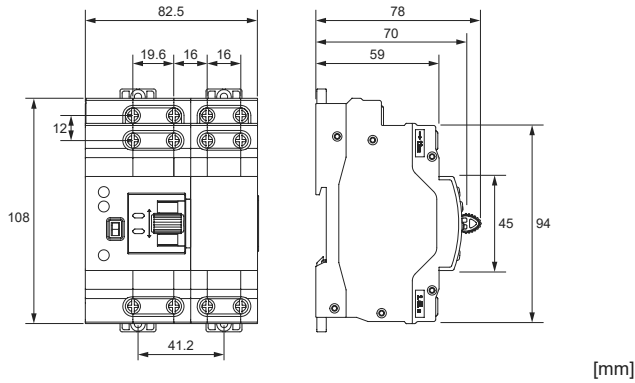


Product Overview



NOTE:
The input power supply must be connected in the correct phase sequence.

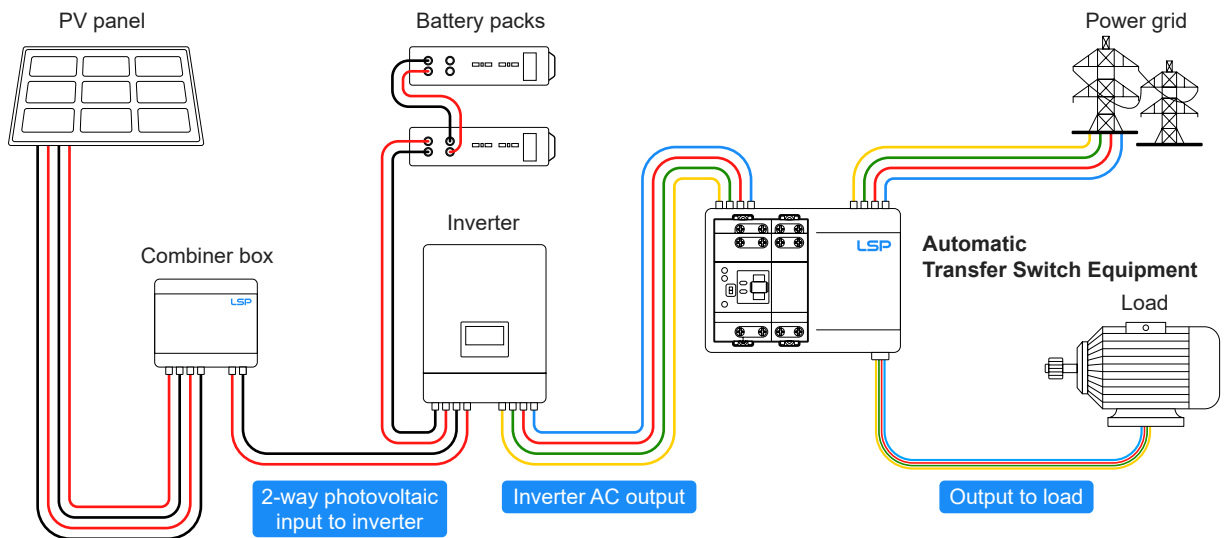
Dimensions & Packaging



Packing Information

Units per Carton	30 pcs
Product / Inner box / Carton Weight	0.54 kg / 0.05 kg / 0.49 kg
Net / Gross Weight per Carton	16.2 kg / 18.19 kg
Dimensions (H × W × L)	[275 × 265 × 470 mm]

Easy Installation Instructions



Automatic Transfer Switch Equipment

L2Sxx-110/2



- PC-Class change-over switch
- Dual power supply design: power supply I (main) and power supply II (standby)
- Supports AC systems with a rated current of 10 A to 32 A
- Automatic transfer time 20 milliseconds
- Compliance: IEC 60947-6-1

The L2S Automatic Transfer Switch Equipment (ATSE) is a PC-Class, infrequently operated change-over switch designed with a dual power input: power supply (I) serves as the main source, while power supply (II) acts as the standby. It is applicable to AC systems with rated currents from 10 A to 32 A and operating frequencies of 50/60 Hz. Upon failure of the main power (I), the ATSE automatically transfers to the standby power (II) within 20 milliseconds, ensuring continuous power supply and reliable protection against outages.

Technical Data

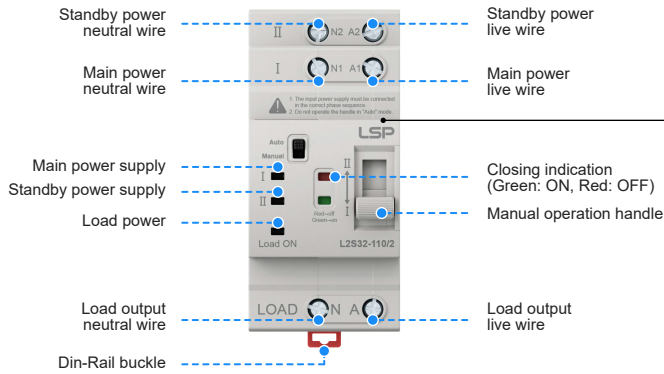
L2Sxx-110/2		L2S10-110/2	L2S20-110/2	L2S32-110/2
IEC Electrical				
Rated Operational Voltage (AC)	U_e		110 V	
Case Grade			32 A	
Rated Operational Current	I_e	10 A	20 A	32 A
Rated Insulation Voltage	U_i		690 V	
Rated Impulse Withstand Voltage	U_{imp}		8 kV	
Rated Short-Time Withstand Current	I_{cw}		3 kA / 30 ms	
Rated Frequency			50/60 Hz	
Automatic Transfer Time			20 ms	
Pole Number			2P	
Usage Category			AC-31B	
Rated Conditional Short-Circuit Current	I_q		50 kA	
Short-Circuit Protection Device (Fuse)			RT16-00-32A	
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 110 V, 50/60 Hz Normal Working Conditions: 85% U_s -110% U_s		
Auxiliary Circuit		110 V, 50/60 Hz, $I_e = 5$ A		
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 85 V Overvoltage Value: 145 V		
Mechanical Life		≥ 6000 Times		
Electrical Life		≥ 1500 Times		

Order Information

Ordering Code			
L2Sxx-110/2	1001270	2001270	3201270



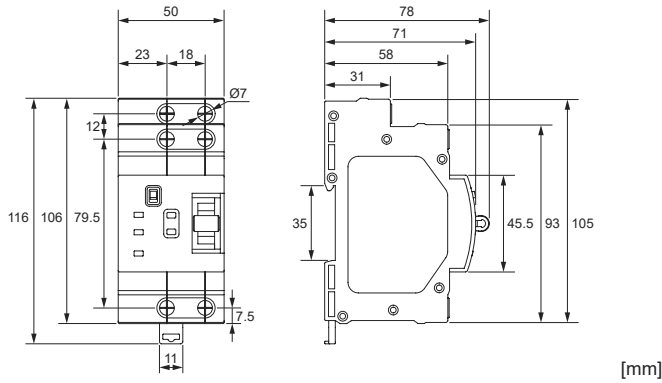
Product Overview



NOTE:

1. The input power supply must be connected in the correct phase sequence.
2. Do not operate the handle in "Auto" mode.

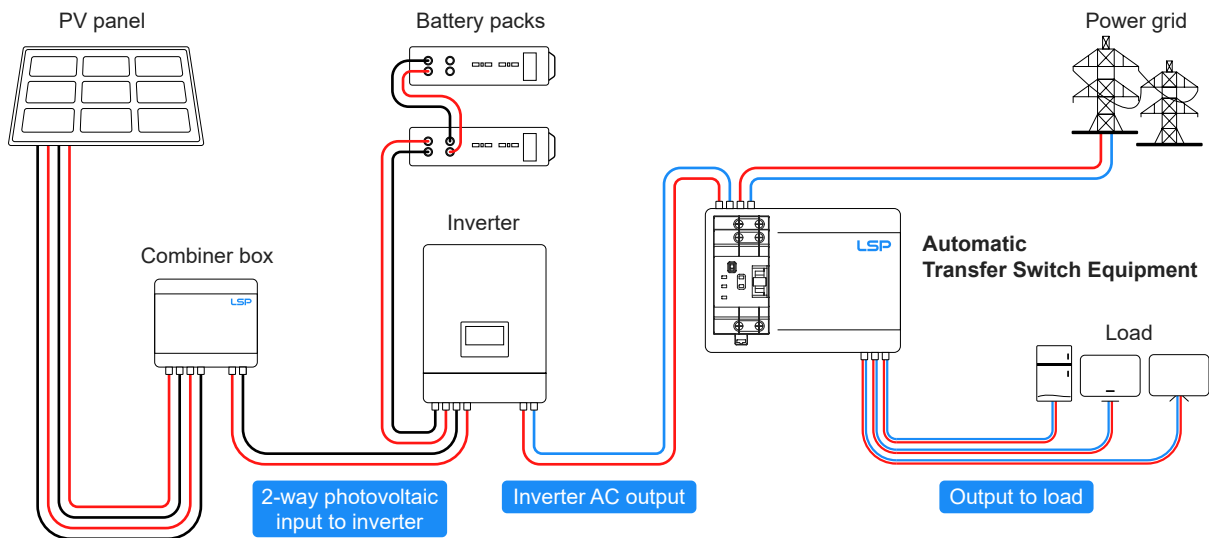
Dimensions & Packaging



Packing Information

Units per Carton	48 pcs
Product / Inner box / Carton Weight	0.3 kg / 0.02 kg / 0.5 kg
Net / Gross Weight per Carton	14.4 kg / 17.3 kg
Dimensions (H × W × L)	[275 × 240 × 485 mm]

Easy Installation Instructions



Automatic Transfer Switch Equipment

L2Sxx-110/4



- PC-Class change-over switch
- Dual power supply design: power supply I (main) and power supply II (standby)
- Supports AC systems with a rated current of 10 A to 32 A
- Automatic transfer time 20 milliseconds
- Compliance: IEC 60947-6-1

The L2S Automatic Transfer Switch Equipment (ATSE) is a PC-Class, infrequently operated change-over switch designed with a dual power input: power supply (I) serves as the main source, while power supply (II) acts as the standby. It is applicable to AC systems with rated currents from 10 A to 32 A and operating frequencies of 50/60 Hz. Upon failure of the main power (I), the ATSE automatically transfers to the standby power (II) within 20 milliseconds, ensuring continuous power supply and reliable protection against outages.

Technical Data

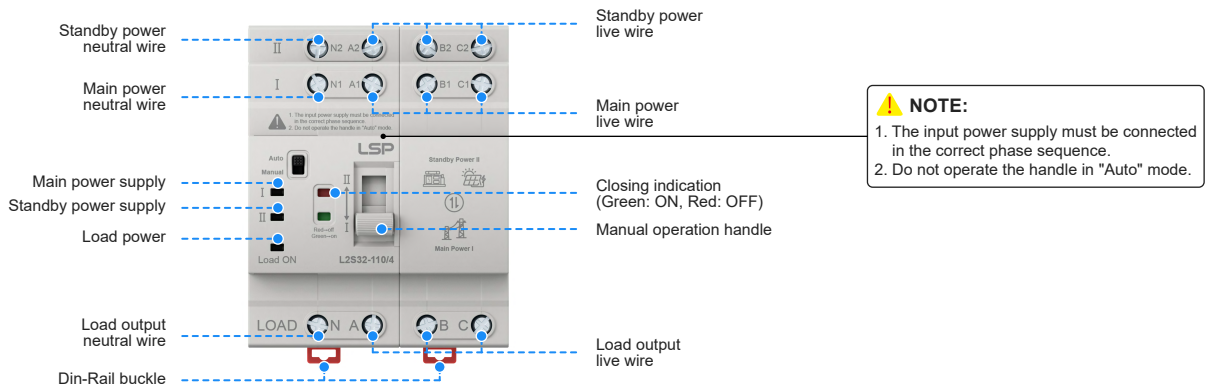
L2Sxx-110/4		L2S10-110/4	L2S20-110/4	L2S32-110/4
IEC Electrical				
Single-Phase Rated Voltage (Phase-to-Neutral) (AC)			110 V	
Rated Operational Voltage (Phase-to-Phase) (AC)	U_e		200 V	
Case Grade			32 A	
Rated Operational Current	I_e	10 A	20 A	32 A
Rated Insulation Voltage	U_i		690 V	
Rated Impulse Withstand Voltage	U_{imp}		8 kV	
Rated Short-Time Withstand Current	I_{cw}		3 kA / 30 ms	
Rated Frequency			50/60 Hz	
Automatic Transfer Time			20 ms	
Pole Number			4P	
Usage Category			AC-31B	
Rated Conditional Short-Circuit Current	I_q		50 kA	
Short-Circuit Protection Device (Fuse)			RT16-00-32A	
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 110 V, 50/60 Hz Normal Working Conditions: 85% U_s -110% U_s		
Auxiliary Circuit		110 V, 50/60 Hz, $I_e = 5$ A		
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 85 V Overvoltage Value: 145 V		
Mechanical Life		≥ 6000 Times		
Electrical Life		≥ 1500 Times		

Order Information

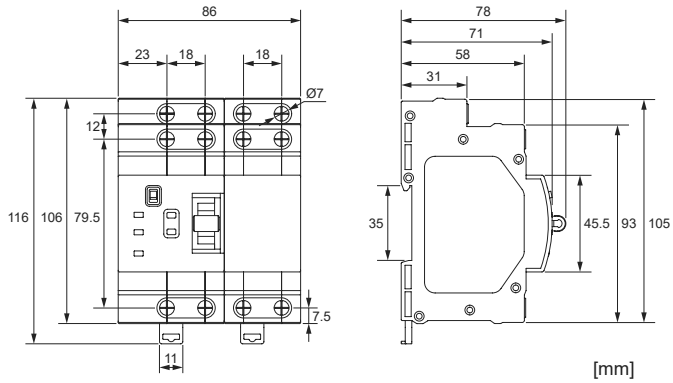
Ordering Code			
L2Sxx-110/4	1001470	2001470	3201470



Product Overview



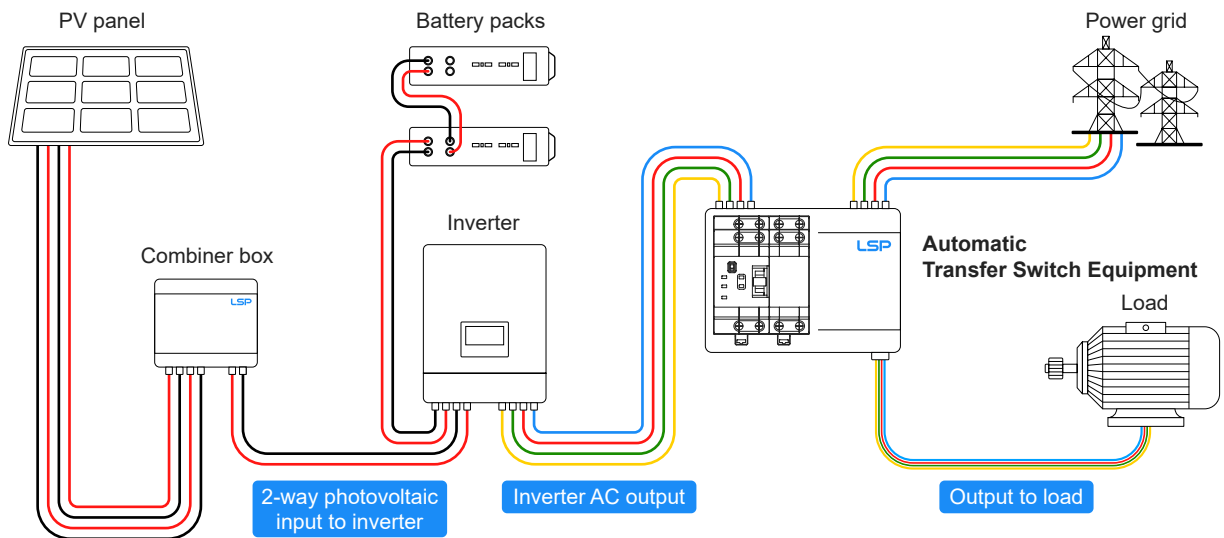
Dimensions & Packaging



Packing Information

Units per Carton	24 pcs
Product / Inner box / Carton Weight	0.49 kg / 0.03 kg / 0.5 kg
Net / Gross Weight per Carton	11.8 kg / 13.7 kg
Dimensions (H × W × L)	[185 × 290 × 485 mm]

Easy Installation Instructions



Automatic Transfer Switch Equipment L2Sxx-220/2



- PC-Class change-over switch
- Dual power supply design: power supply I (main) and power supply II (standby)
- Supports AC systems with a rated current of 10 A to 32 A
- Automatic transfer time 20 milliseconds
- Compliance: IEC 60947-6-1

The L2S Automatic Transfer Switch Equipment (ATSE) is a PC-Class, infrequently operated change-over switch designed with a dual power input: power supply (I) serves as the main source, while power supply (II) acts as the standby. It is applicable to AC systems with rated currents from 10 A to 32 A and operating frequencies of 50/60 Hz. Upon failure of the main power (I), the ATSE automatically transfers to the standby power (II) within 20 milliseconds, ensuring continuous power supply and reliable protection against outages.

Technical Data

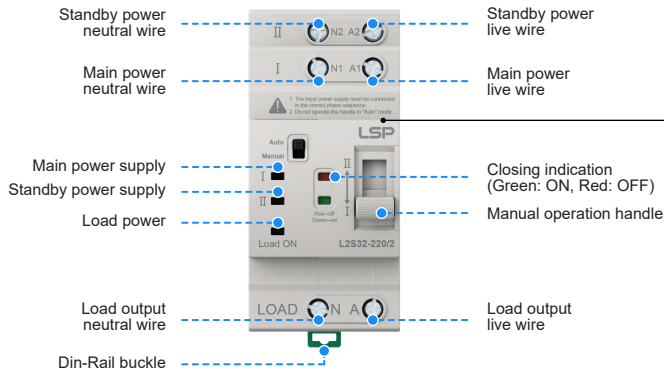
L2Sxx-220/2		L2S10-220/2	L2S20-220/2	L2S32-220/2
IEC Electrical				
Rated Operational Voltage (AC)	U_e		230 V	
Case Grade			32 A	
Rated Operational Current	I_e	10 A	20 A	32 A
Rated Insulation Voltage	U_i		690 V	
Rated Impulse Withstand Voltage	U_{imp}		8 kV	
Rated Short-Time Withstand Current	I_{cw}		3 kA / 30 ms	
Rated Frequency			50/60 Hz	
Automatic Transfer Time			20 ms	
Pole Number			2P	
Usage Category			AC-31B	
Rated Conditional Short-Circuit Current	I_q		50 kA	
Short-Circuit Protection Device (Fuse)			RT16-00-32A	
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% U_s -110% U_s		
Auxiliary Circuit		230 V, 50/60 Hz, $I_e = 5$ A		
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 187 V Overvoltage Value: 253 V		
Mechanical Life		≥ 6000 Times		
Electrical Life		≥ 1500 Times		

Order Information

Ordering Code			
L2Sxx-220/2	1002270	2002270	3202270



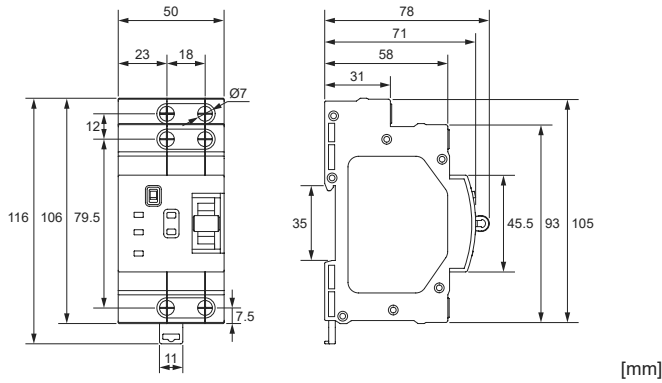
Product Overview



NOTE:

1. The input power supply must be connected in the correct phase sequence.
2. Do not operate the handle in "Auto" mode.

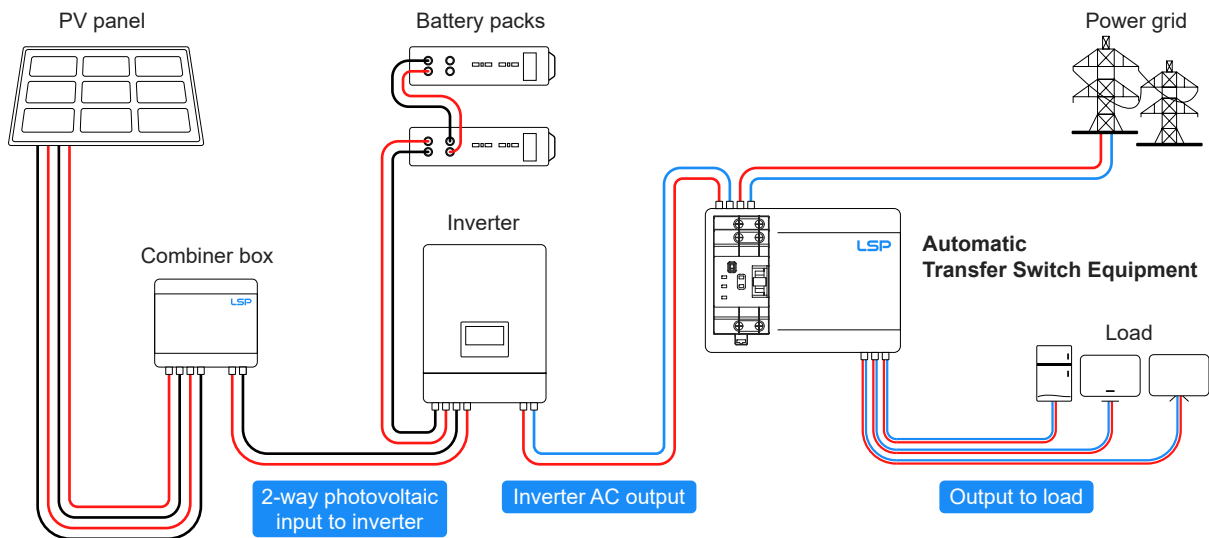
Dimensions & Packaging



Packing Information

Units per Carton	48 pcs
Product / Inner box / Carton Weight	0.3 kg / 0.02 kg / 0.5 kg
Net / Gross Weight per Carton	14.4 kg / 17.3 kg
Dimensions (H × W × L)	[275 × 240 × 485 mm]

Easy Installation Instructions



Automatic Transfer Switch Equipment

L2Sxx-220/4



- PC-Class change-over switch
- Dual power supply design: power supply I (main) and power supply II (standby)
- Supports AC systems with a rated current of 10 A to 32 A
- Automatic transfer time 20 milliseconds
- Compliance: IEC 60947-6-1

The L2S Automatic Transfer Switch Equipment (ATSE) is a PC-Class, infrequently operated change-over switch designed with a dual power input: power supply (I) serves as the main source, while power supply (II) acts as the standby. It is applicable to AC systems with rated currents from 10 A to 32 A and operating frequencies of 50/60 Hz. Upon failure of the main power (I), the ATSE automatically transfers to the standby power (II) within 20 milliseconds, ensuring continuous power supply and reliable protection against outages.

Technical Data

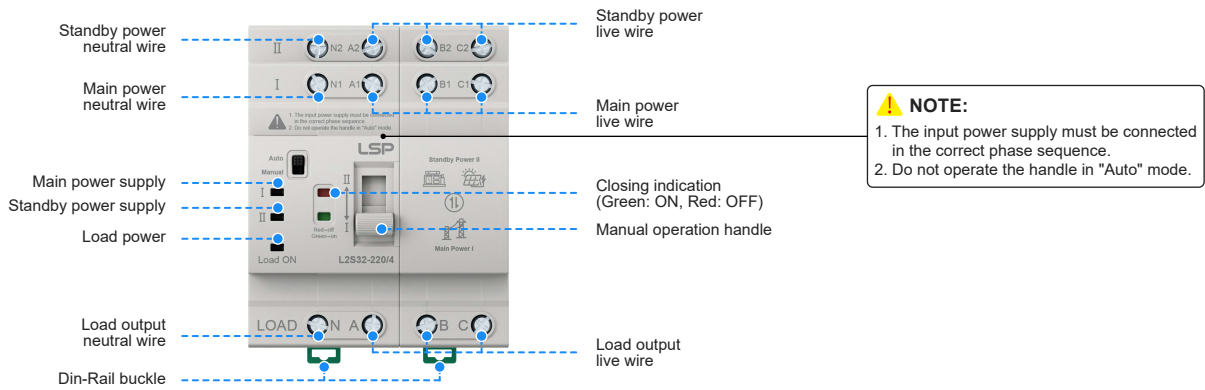
L2Sxx-220/4		L2S10-220/4	L2S20-220/4	L2S32-220/4
IEC Electrical				
Single-Phase Rated Voltage (Phase-to-Neutral) (AC)			230 V	
Rated Operational Voltage (Phase-to-Phase) (AC)	U_e		400 V	
Case Grade			32 A	
Rated Operational Current	I_e	10 A	20 A	32 A
Rated Insulation Voltage	U_i		690 V	
Rated Impulse Withstand Voltage	U_{imp}		8 kV	
Rated Short-Time Withstand Current	I_{cw}		3 kA / 30 ms	
Rated Frequency			50/60 Hz	
Automatic Transfer Time			20 ms	
Pole Number			4P	
Usage Category			AC-31B	
Rated Conditional Short-Circuit Current	I_q		50 kA	
Short-Circuit Protection Device (Fuse)			RT16-00-32A	
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% U_s -220% U_s		
Auxiliary Circuit		230 V, 50/60 Hz, $I_e = 5$ A		
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 187 V Overvoltage Value: 253 V		
Mechanical Life		≥ 6000 Times		
Electrical Life		≥ 1500 Times		

Order Information

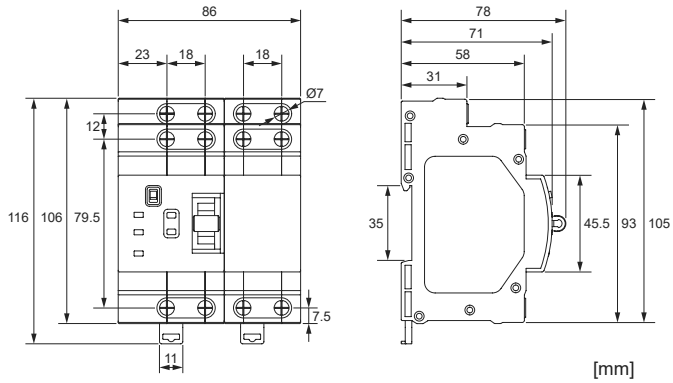
Ordering Code			
L2Sxx-220/4	1002470	2002470	3202470



Product Overview



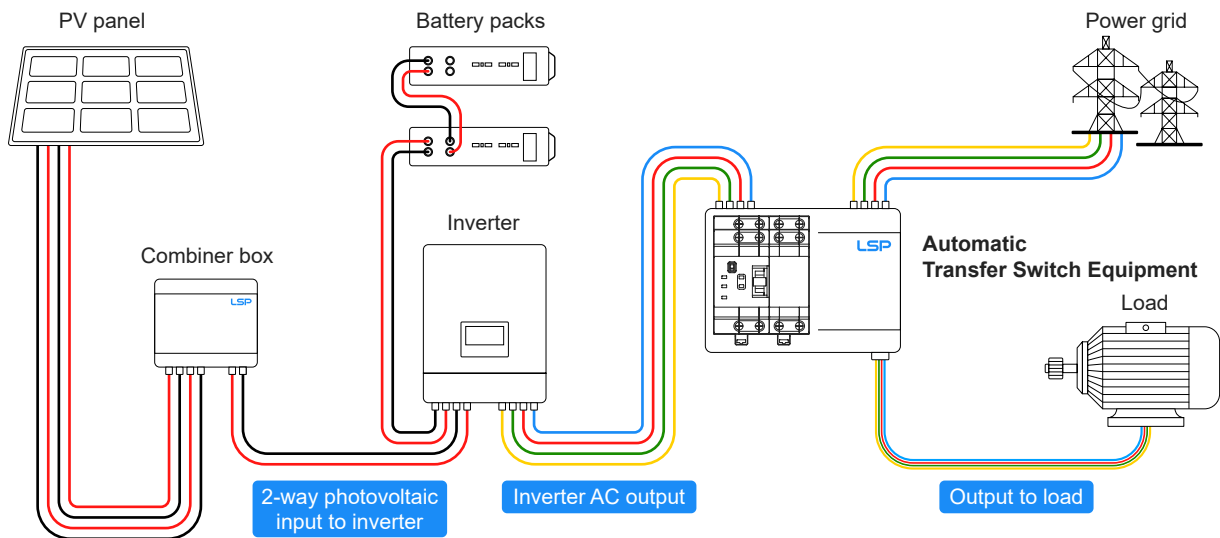
Dimensions & Packaging



Packing Information

Units per Carton	24 pcs
Product / Inner box / Carton Weight	0.49 kg / 0.03 kg / 0.5 kg
Net / Gross Weight per Carton	11.8 kg / 13.7 kg
Dimensions (H × W × L)	[185 × 290 × 485 mm]

Easy Installation Instructions



Automatic Transfer Switch Equipment L2Hxx-110/2



- PC-Class change-over switch
- Dual power supply design: power supply I (main) and power supply II (standby)
- Supports AC systems with a rated current of 10 A to 63 A
- Automatic transfer time 20 milliseconds
- Compliance: IEC 60947-6-1

The L2H Automatic Transfer Switch Equipment (ATSE) is a PC-Class, infrequently operated change-over switch designed with a dual power input: power supply (I) serves as the main source, while power supply (II) acts as the standby. It is applicable to AC systems with rated currents from 10 A to 63 A and operating frequencies of 50/60 Hz. Upon failure of the main power (I), the ATSE automatically transfers to the standby power (II) within 20 milliseconds, ensuring continuous power supply and reliable protection against outages.

Technical Data

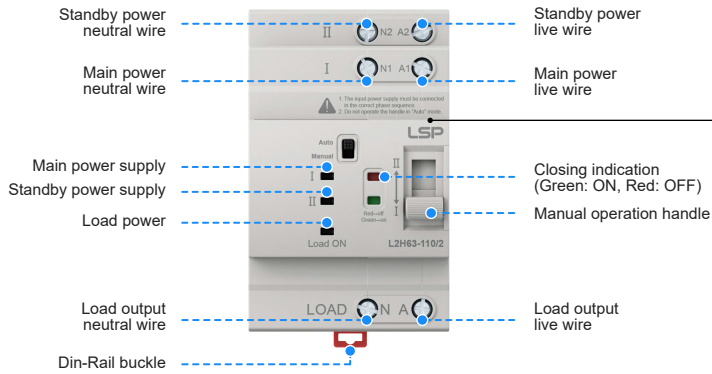
L2Hxx-110/2		L2H40-110/2	L2H50-110/2	L2H63-110/2
IEC Electrical				
Rated Operational Voltage (AC)	U_e		110 V	
Case Grade			63 A	
Rated Operational Current	I_e	40 A	50 A	63 A
Rated Insulation Voltage	U_i		690 V	
Rated Impulse Withstand Voltage	U_{imp}		8 kV	
Rated Short-Time Withstand Current	I_{cw}		3 kA / 30 ms	
Rated Frequency			50/60 Hz	
Automatic Transfer Time			20 ms	
Pole Number			2P	
Usage Category			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 110 V, 50/60 Hz Normal Working Conditions: 85% U_s -110% U_s		
Auxiliary Circuit		110 V, 50/60 Hz, $I_e = 5$ A		
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 85 V Overvoltage Value: 145 V		
Mechanical Life		≥ 6000 Times		
Electrical Life		≥ 1500 Times		

Order Information

Ordering Code			
L2Hxx-110/2	4001260	5001260	6301260



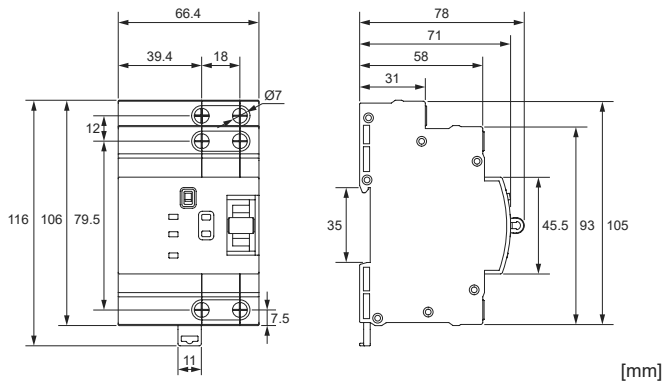
Product Overview



NOTE:

1. The input power supply must be connected in the correct phase sequence.
2. Do not operate the handle in "Auto" mode.

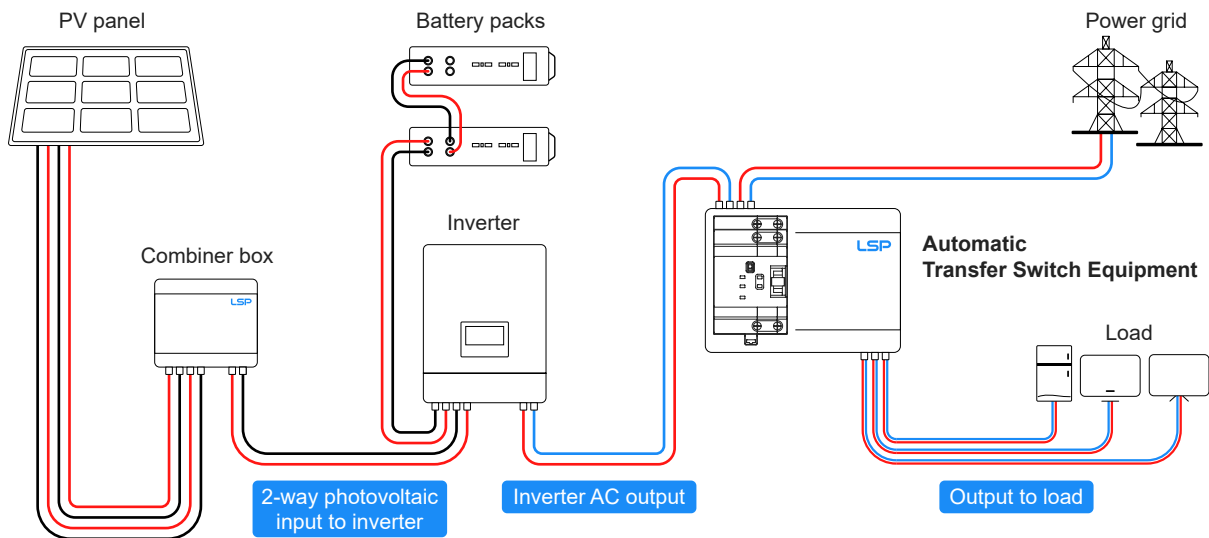
Dimensions & Packaging



Packing Information

Units per Carton	20 pcs
Product / Inner box / Carton Weight	0.4 kg / 0.01 kg / 0.4 kg
Net / Gross Weight per Carton	8 kg / 8.6 kg
Dimensions (H × W × L)	[185 × 235 × 370 mm]

Easy Installation Instructions



Automatic Transfer Switch Equipment

L2Hxx-110/4



- PC-Class change-over switch
- Dual power supply design: power supply I (main) and power supply II (standby)
- Supports AC systems with a rated current of 10 A to 63 A
- Automatic transfer time 20 milliseconds
- Compliance: IEC 60947-6-1

The L2H Automatic Transfer Switch Equipment (ATSE) is a PC-Class, infrequently operated change-over switch designed with a dual power input: power supply (I) serves as the main source, while power supply (II) acts as the standby. It is applicable to AC systems with rated currents from 10 A to 63 A and operating frequencies of 50/60 Hz. Upon failure of the main power (I), the ATSE automatically transfers to the standby power (II) within 20 milliseconds, ensuring continuous power supply and reliable protection against outages.

Technical Data

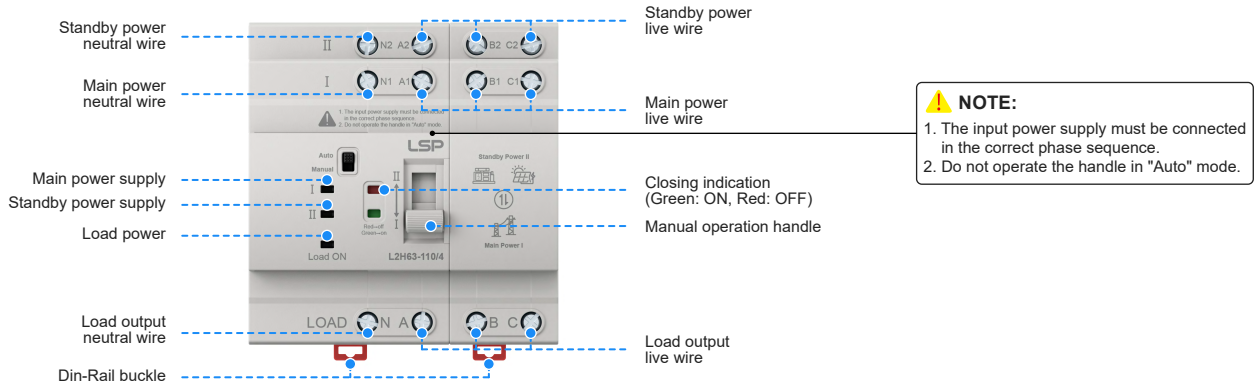
L2Hxx-110/4		L2H40-110/4	L2H50-110/4	L2H63-110/4
IEC Electrical				
Single-Phase Rated Voltage (Phase-to-Neutral) (AC)			110 V	
Rated Operational Voltage (Phase-to-Phase) (AC)	U_e		200 V	
Case Grade			63 A	
Rated Operational Current	I_e	40 A	50 A	63 A
Rated Insulation Voltage	U_i		690 V	
Rated Impulse Withstand Voltage	U_{imp}		8 kV	
Rated Short-Time Withstand Current	I_{cw}		3 kA / 30 ms	
Rated Frequency			50/60 Hz	
Automatic Transfer Time			20 ms	
Pole Number			4P	
Usage Category			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 110 V, 50/60 Hz Normal Working Conditions: 85% U_s -110% U_s		
Auxiliary Circuit		110 V, 50/60 Hz, $I_e = 5$ A		
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 85 V Overvoltage Value: 145 V		
Mechanical Life		≥ 6000 Times		
Electrical Life		≥ 1500 Times		

Order Information

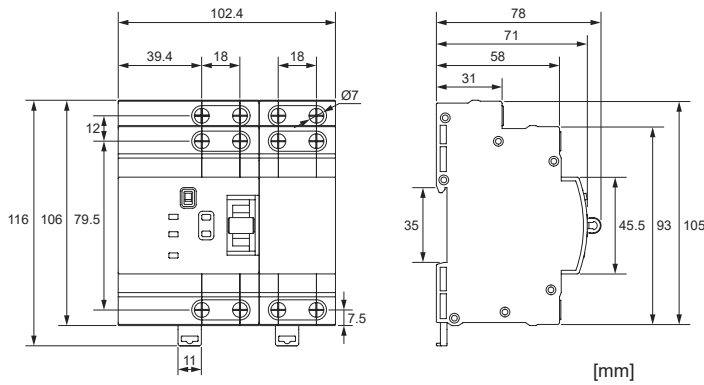
Ordering Code			
L2Hxx-110/4	4001460	5001460	6301460



Product Overview



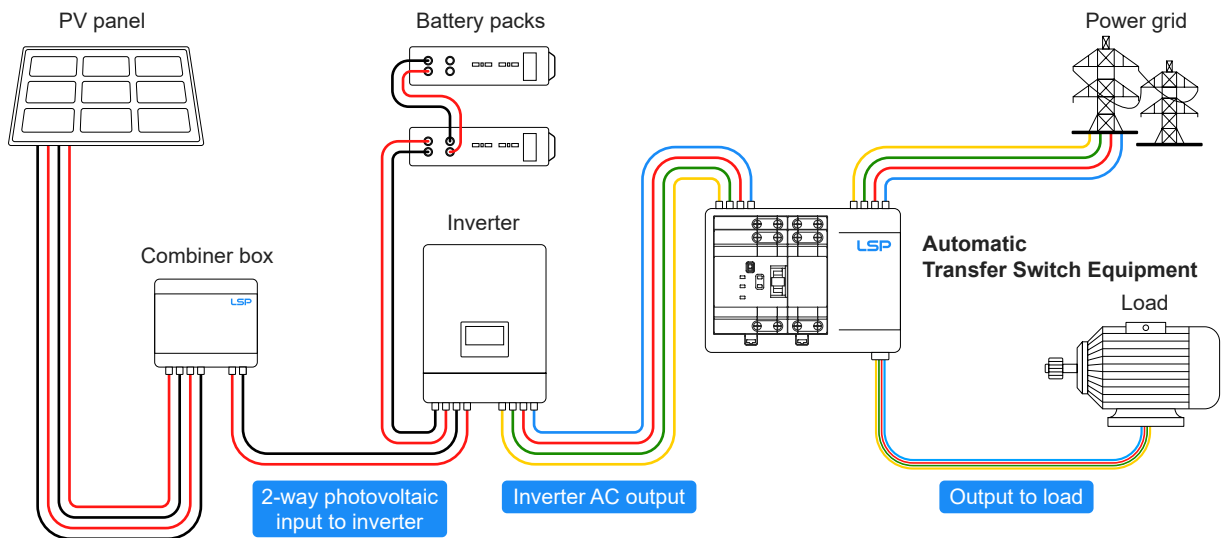
Dimensions & Packaging



Packing Information

Units per Carton	20 pcs
Product / Inner box / Carton Weight	0.55 kg / 0.05 kg / 0.5 kg
Net / Gross Weight per Carton	11 kg / 12.5 kg
Dimensions (H × W × L)	[185 × 235 × 550 mm]

Easy Installation Instructions



Automatic Transfer Switch Equipment L2Hxx-220/2



- PC-Class change-over switch
- Dual power supply design: power supply I (main) and power supply II (standby)
- Supports AC systems with a rated current of 10 A to 63 A
- Automatic transfer time 20 milliseconds
- Compliance: IEC 60947-6-1

The L2H Automatic Transfer Switch Equipment (ATSE) is a PC-Class, infrequently operated change-over switch designed with a dual power input: power supply (I) serves as the main source, while power supply (II) acts as the standby. It is applicable to AC systems with rated currents from 10 A to 63 A and operating frequencies of 50/60 Hz. Upon failure of the main power (I), the ATSE automatically transfers to the standby power (II) within 20 milliseconds, ensuring continuous power supply and reliable protection against outages.

Technical Data

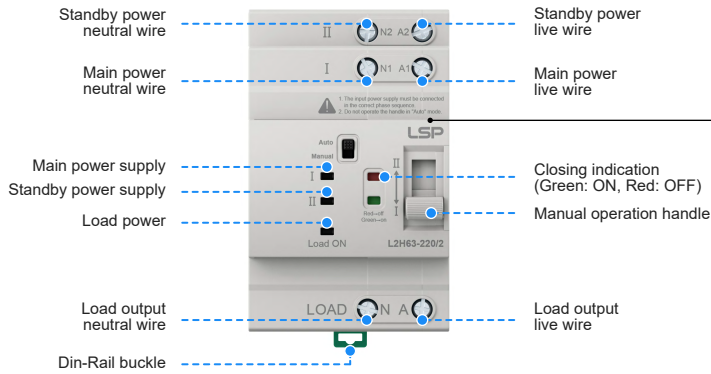
L2Hxx-220/2		L2H40-220/2	L2H50-220/2	L2H63-220/2
IEC Electrical				
Rated Operational Voltage (AC)	U_e		230 V	
Case Grade			63 A	
Rated Operational Current	I_e	40 A	50 A	63 A
Rated Insulation Voltage	U_i		690 V	
Rated Impulse Withstand Voltage	U_{imp}		8 kV	
Rated Short-Time Withstand Current	I_{cw}		3 kA / 30 ms	
Rated Frequency			50/60 Hz	
Automatic Transfer Time			20 ms	
Pole Number			2P	
Usage Category			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% U_s -110% U_s		
Auxiliary Circuit		230 V, 50/60 Hz, $I_e = 5$ A		
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 187 V Overvoltage Value: 253 V		
Mechanical Life		≥ 6000 Times		
Electrical Life		≥ 1500 Times		

Order Information

Ordering Code			
L2Hxx-220/2	4002260	5002260	6302260

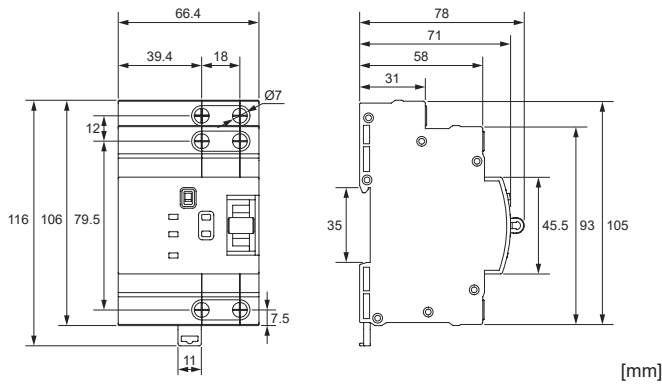


Product Overview



NOTE:
1. The input power supply must be connected in the correct phase sequence.
2. Do not operate the handle in "Auto" mode.

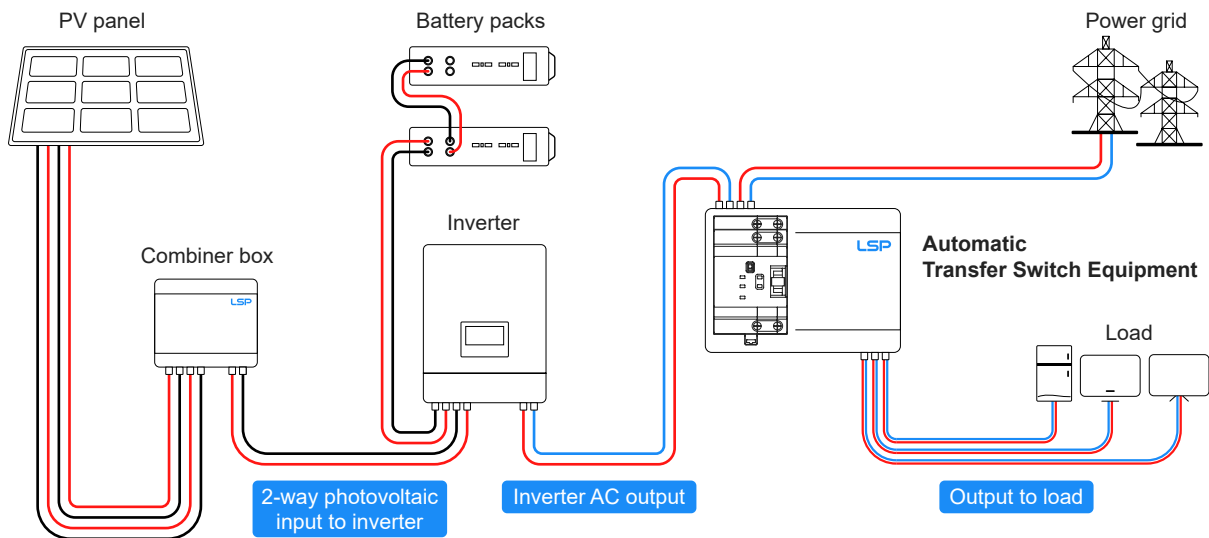
Dimensions & Packaging



Packing Information

Units per Carton	20 pcs
Product / Inner box / Carton Weight	0.4 kg / 0.01 kg / 0.4 kg
Net / Gross Weight per Carton	8 kg / 8.6 kg
Dimensions (H × W × L)	[185 × 235 × 370 mm]

Easy Installation Instructions



Automatic Transfer Switch Equipment

L2Hxx-220/4



- PC-Class change-over switch
- Dual power supply design: power supply I (main) and power supply II (standby)
- Supports AC systems with a rated current of 10 A to 63 A
- Automatic transfer time 20 milliseconds
- Compliance: IEC 60947-6-1

The L2H Automatic Transfer Switch Equipment (ATSE) is a PC-Class, infrequently operated change-over switch designed with a dual power input: power supply (I) serves as the main source, while power supply (II) acts as the standby. It is applicable to AC systems with rated currents from 10 A to 63 A and operating frequencies of 50/60 Hz. Upon failure of the main power (I), the ATSE automatically transfers to the standby power (II) within 20 milliseconds, ensuring continuous power supply and reliable protection against outages.

Technical Data

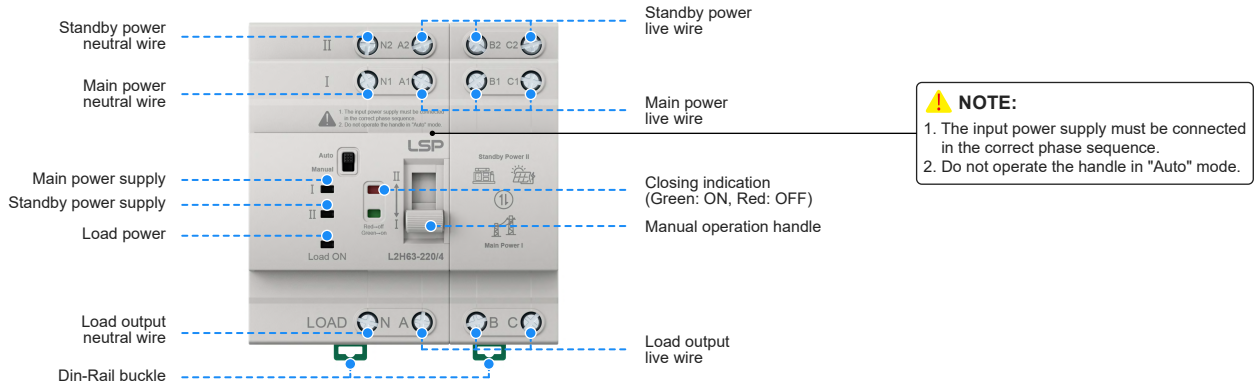
L2Hxx-220/4		L2H40-220/4	L2H50-220/4	L2H63-220/4
IEC Electrical				
Single-Phase Rated Voltage (Phase-to-Neutral) (AC)			230 V	
Rated Operational Voltage (Phase-to-Phase) (AC)	U_e		400 V	
Case Grade			63 A	
Rated Operational Current	I_e	40 A	50 A	63 A
Rated Insulation Voltage	U_i		690 V	
Rated Impulse Withstand Voltage	U_{imp}		8 kV	
Rated Short-Time Withstand Current	I_{cw}		3 kA / 30 ms	
Rated Frequency			50/60 Hz	
Automatic Transfer Time			20 ms	
Pole Number			4P	
Usage Category			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% U_s -110% U_s		
Auxiliary Circuit		230 V, 50/60 Hz, $I_e = 5$ A		
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 187 V Overvoltage Value: 253 V		
Mechanical Life		≥ 6000 Times		
Electrical Life		≥ 1500 Times		

Order Information

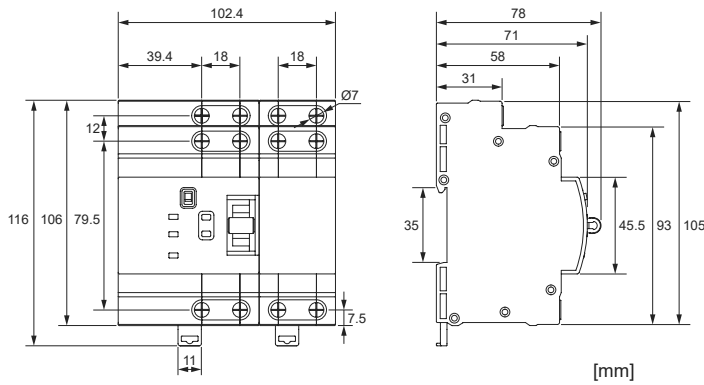
Ordering Code			
L2Hxx-220/4	4002460	5002460	6302460



Product Overview



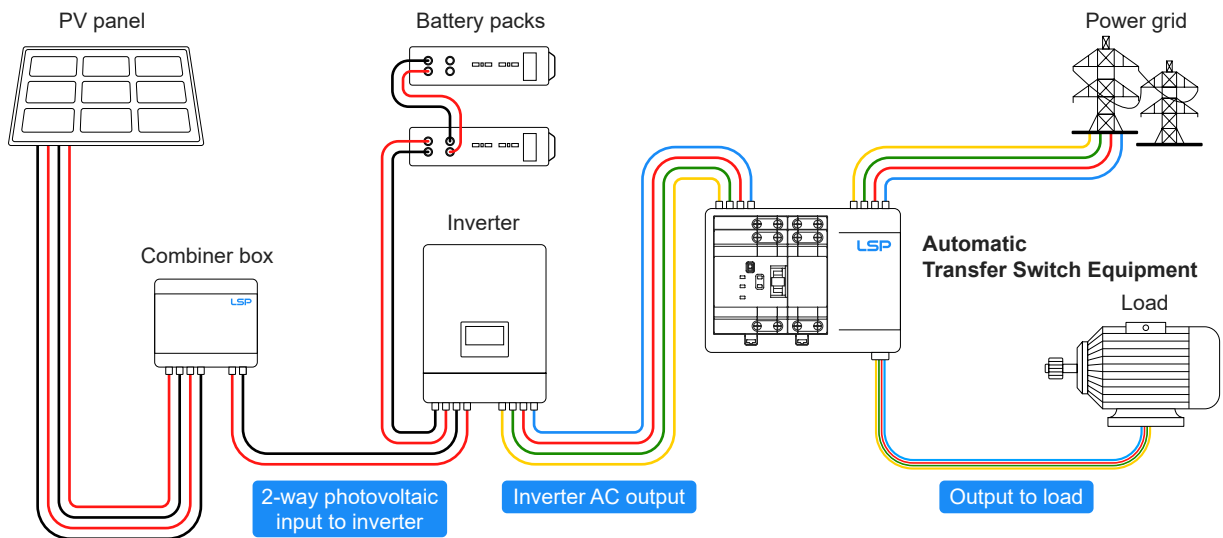
Dimensions & Packaging



Packing Information

Units per Carton	20 pcs
Product / Inner box / Carton Weight	0.55 kg / 0.05 kg / 0.5 kg
Net / Gross Weight per Carton	11 kg / 12.5 kg
Dimensions (H × W × L)	[185 × 235 × 550 mm]

Easy Installation Instructions



Automatic Transfer Switch Equipment

M2Rxxx-110/2



- 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

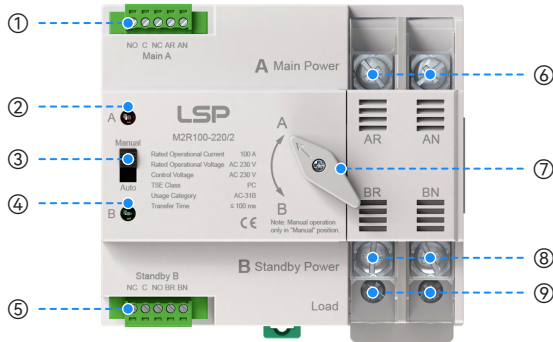
The M2R Automatic Transfer Switching Equipment (ATSE) is a PC-class miniature power transfer device designed for residential applications. It supports dual power inputs from a main and a backup source. In the event of a main power failure or abnormality, the device automatically transfers to the backup 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-110/2	M2R40-110/2	M2R63-110/2	M2R100-110/2
IEC Electrical			
Rated Operational Voltage (AC)	U _e	110 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 110 V, 50/60 Hz Normal Working Conditions: 85% - 110% U _s	
Auxiliary Circuit		110 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)	
Mechanical Life		≥ 5000 Times	
Electrical Life		≥ 2000 Times	
Enclosure Material		PA66 FR	
Order Information			
Ordering Code			
M2Rxxx-110/2	4001220	6301220	1011220

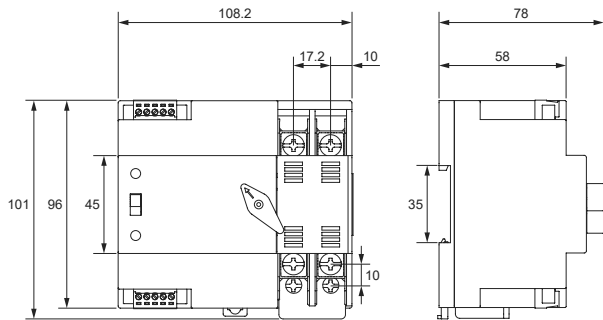


Product Overview



- 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

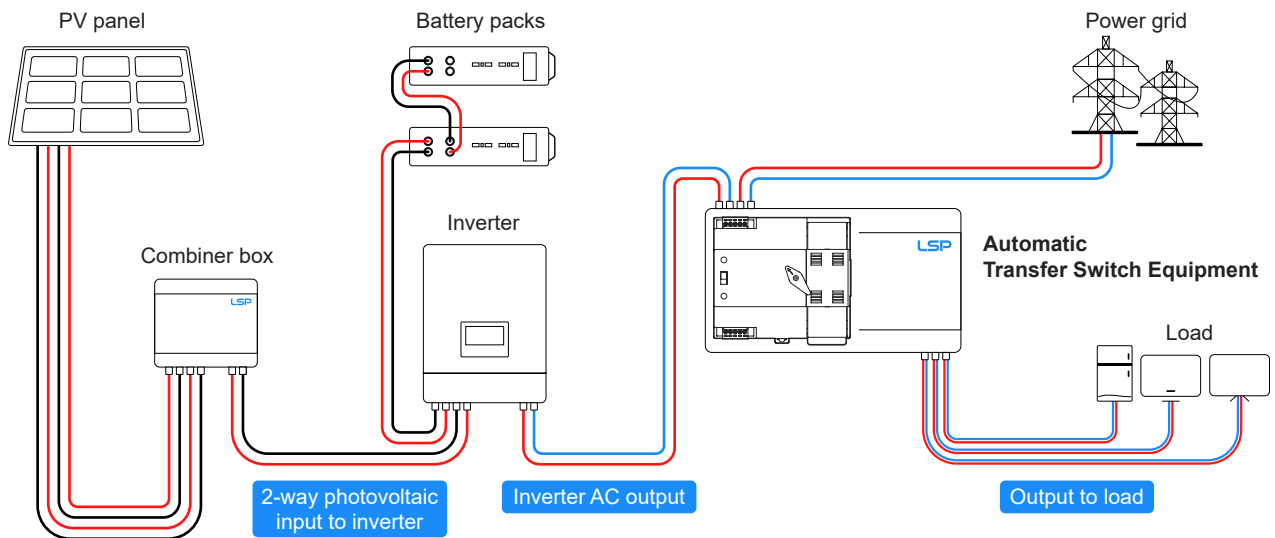


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Packing Information

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-110/3



- 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

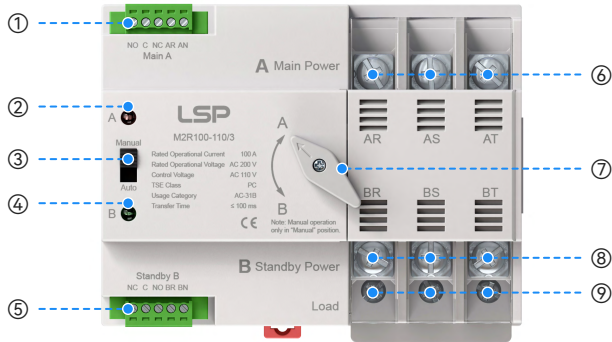
M2Rxxx-110/3	M2R40-110/3		M2R63-110/3	M2R100-110/3	
IEC Electrical					
Single-Phase Rated Voltage (Phase-to-Neutral) (AC)			110 V		
Rated Operational Voltage (Phase-to-Phase) (AC)		U _e	200 V		
Case Grade			100 A		
Rated Operational Current		I _e	40 A	63 A	100 A
Rated Insulation Voltage		U _i	690 V		
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 110 V, 50/60 Hz Normal Working Conditions: 85% - 110% U _s		
Auxiliary Circuit			110 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)		
Mechanical Life			≥ 5000 Times		
Electrical Life			≥ 2000 Times		
Enclosure Material			PA66 FR		

Order Information

Ordering Code			
M2Rxxx-110/3	4001320	6301320	1011320

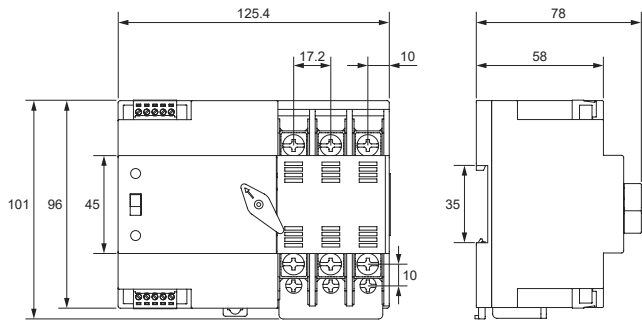


Product Overview



- 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

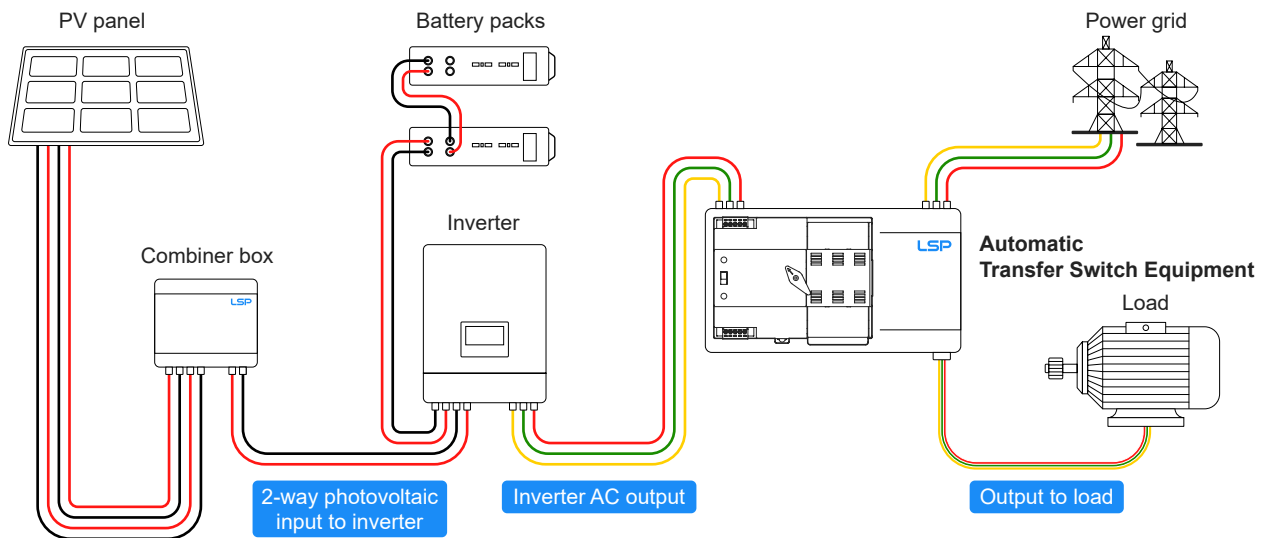


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Packing Information

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-110/4



- 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

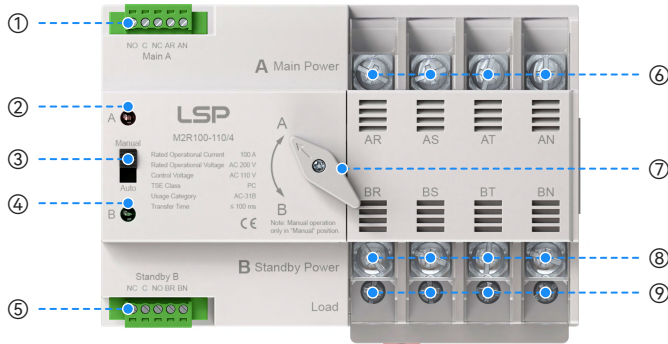
M2Rxxx-110/4	M2R40-110/4		M2R63-110/4		M2R100-110/4	
IEC Electrical						
Single-Phase Rated Voltage (Phase-to-Neutral) (AC)			110 V			
Rated Operational Voltage (Phase-to-Phase) (AC)		U _e	200 V			
Case Grade			100 A			
Rated Operational Current		I _e	40 A	63 A	100 A	
Rated Insulation Voltage		U _i	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 110 V, 50/60 Hz Normal Working Conditions: 85% - 110% U _s			
Auxiliary Circuit			110 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)			
Mechanical Life			≥ 5000 Times			
Electrical Life			≥ 2000 Times			
Enclosure Material			PA66 FR			

Order Information

Ordering Code			
M2Rxxx-110/4	4001420	6301420	1011420

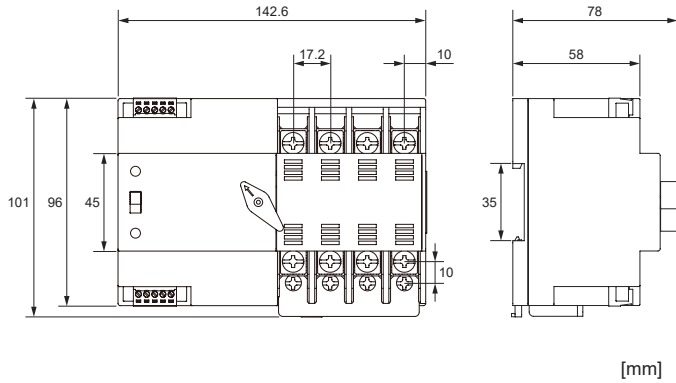


Product Overview



- 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)

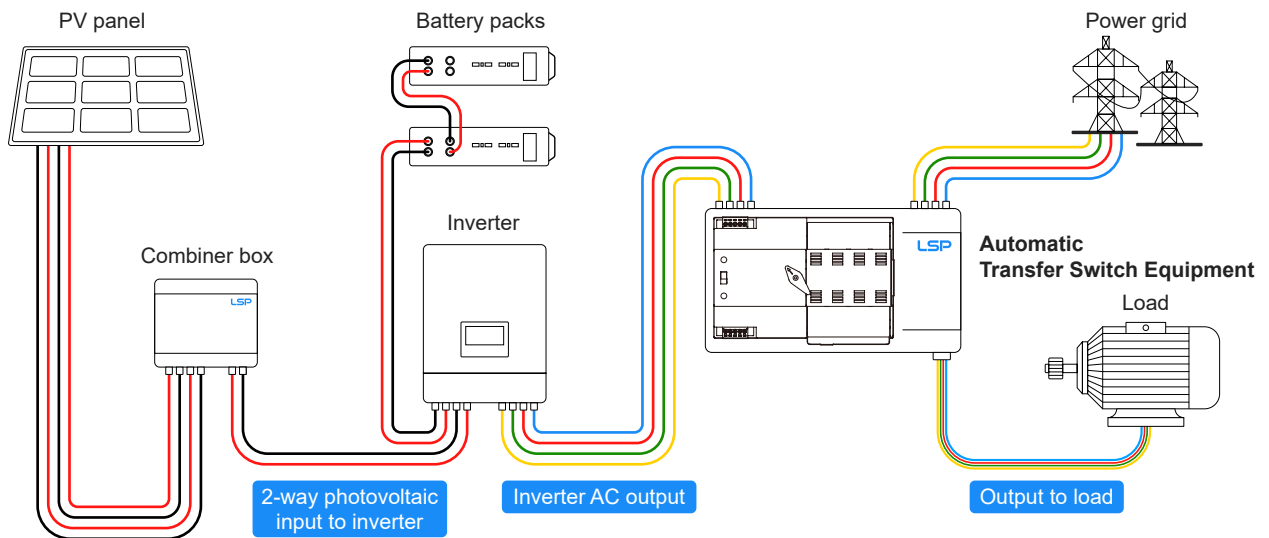
Dimensions & Packaging



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



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

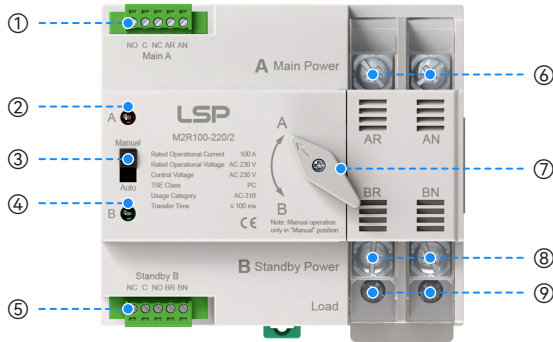
The M2R Automatic Transfer Switching Equipment (ATSE) is a PC-class miniature power transfer device designed for residential applications. It supports dual power inputs from a main and a backup source. In the event of a main power failure or abnormality, the device automatically transfers to the backup 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	

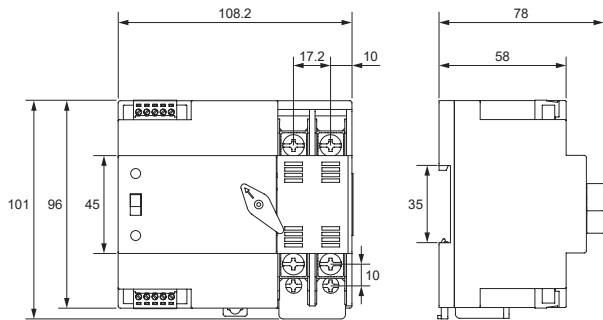


Product Overview



- 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

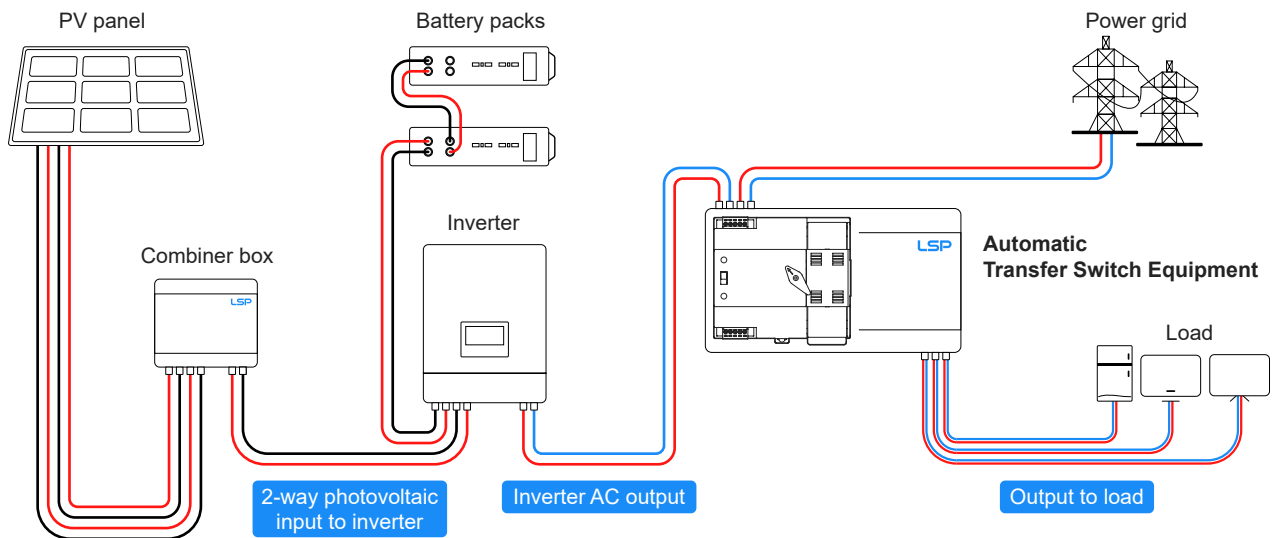


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Packing Information

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

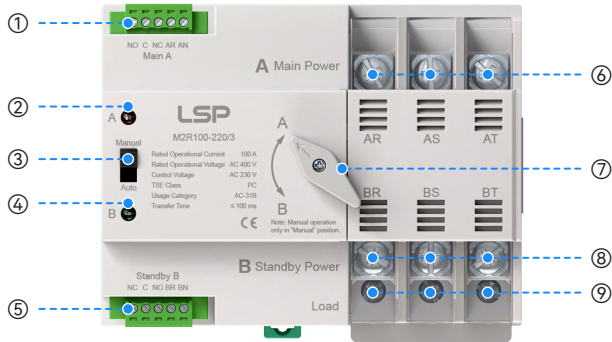
The M2R Automatic Transfer Switching Equipment (ATSE) is a PC-class miniature power transfer device designed for residential applications. It supports dual power inputs from a main and a backup source. In the event of a main power failure or abnormality, the device automatically transfers to the backup 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

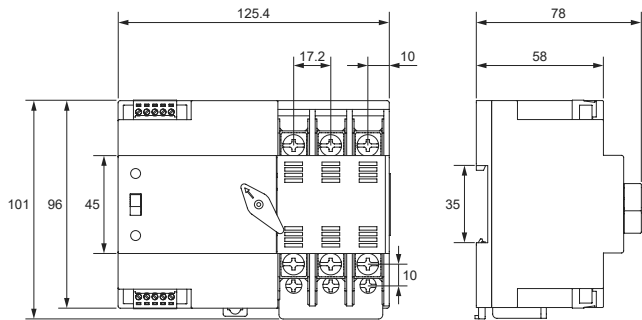


Product Overview



- 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

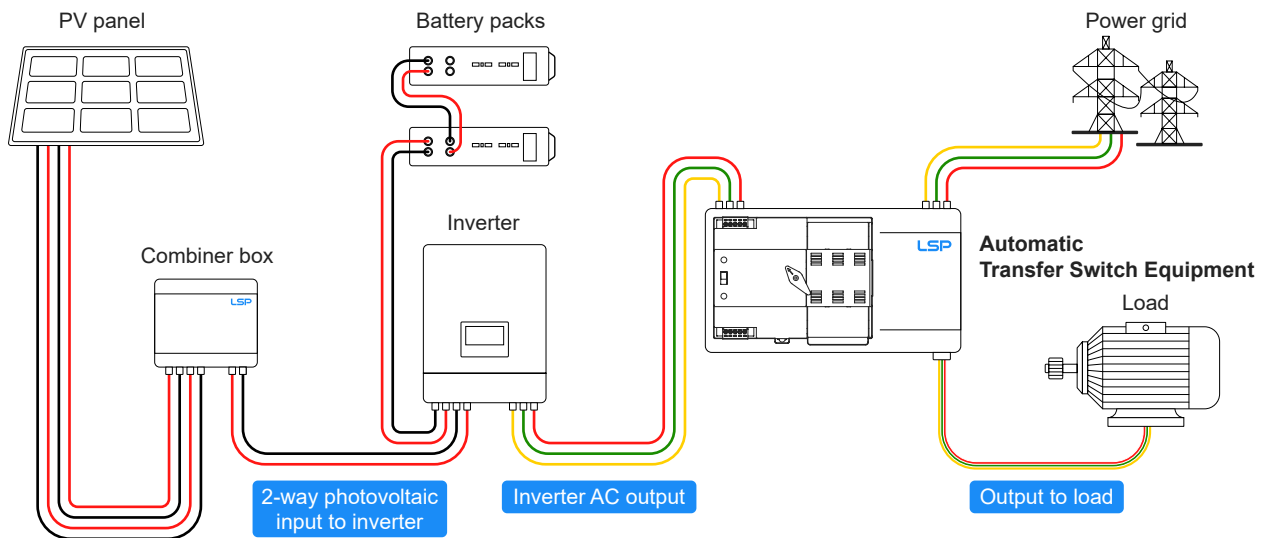


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Packing Information

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

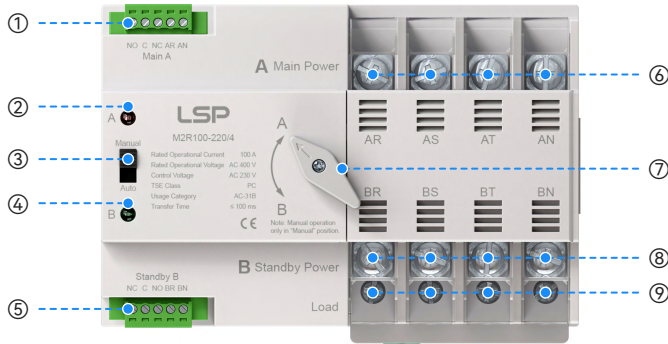
The M2R Automatic Transfer Switching Equipment (ATSE) is a PC-class miniature power transfer device designed for residential applications. It supports dual power inputs from a main and a backup source. In the event of a main power failure or abnormality, the device automatically transfers to the backup 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	

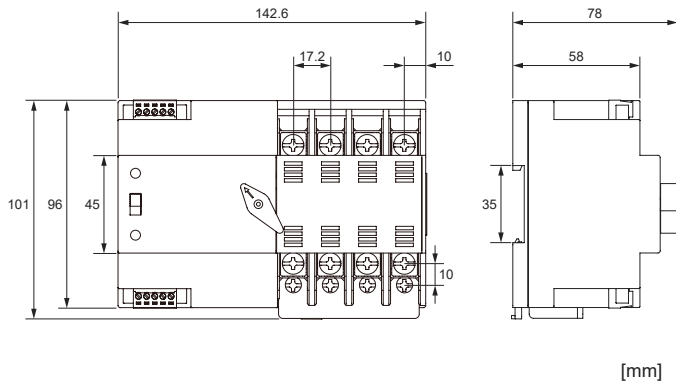


Product Overview



- 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)

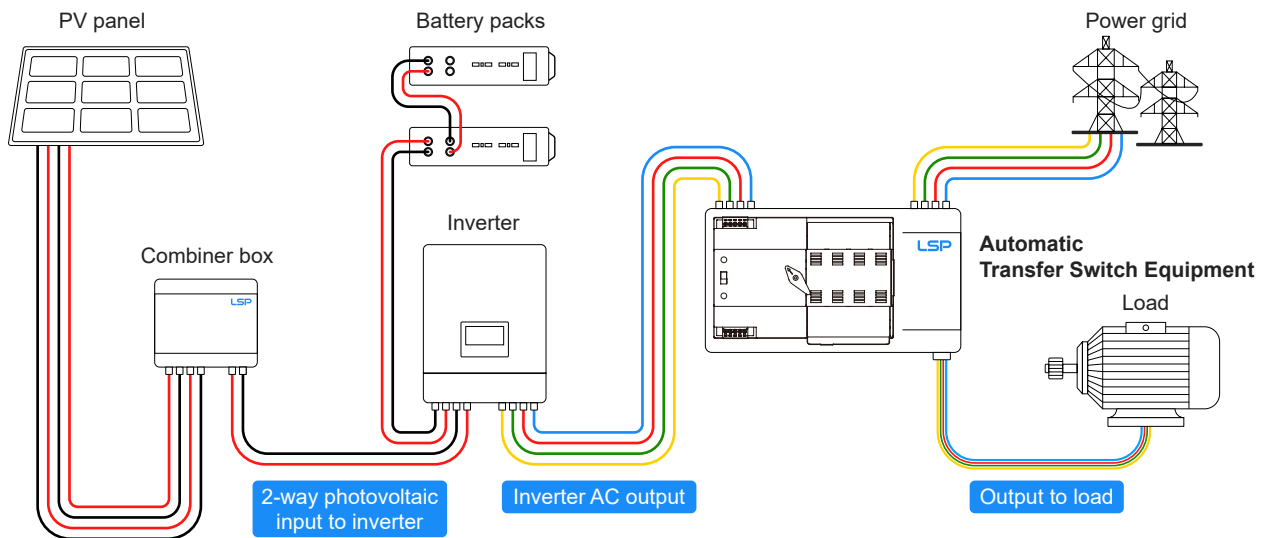
Dimensions & Packaging



Packing Information

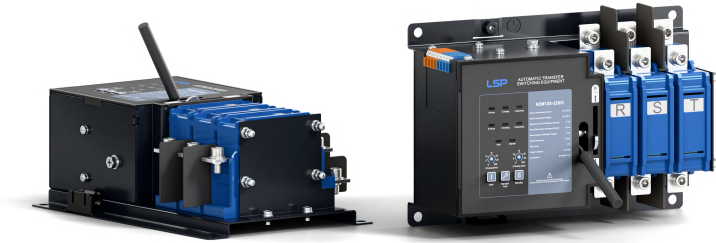
Units per Carton	12 pcs
Product / Inner box / Carton Weight	0.74 kg / 0.1 kg / 0.5 kg
Net / Gross Weight per Carton	8.88 kg / 9.5 kg
Dimensions (H × W × L)	[195 × 305 × 350 mm]

Easy Installation Instructions



Automatic Transfer Switch Equipment

N2M125-220/3(F/T)



- 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 80 A to 125 A
- Compliance: IEC 60947-6-1

The N2M125 series ensures reliable power for critical applications (e.g., fire protection, telecom, healthcare) with fast switching between main and backup power sources (utility grid, generator, or battery). It features an excitation mechanism, microcomputer control, intelligent monitoring, and strong EMC, operating at 220 V without additional control power. Suitable for three-phase systems (80-125 A), it supports automatic and manual transfer, complying with IEC 60947-6-1.

Technical Data

N2M125-220/3(F/T)

220

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		125 A
Rated Operational Current	I_e	80 A / 125 A
Rated Insulation Voltage (Main Circuit)	U_i	690 V
Rated Impulse Withstand Voltage (Main Circuit)	U_{imp}	8 kV
Rated Insulation Voltage (Control Circuit)	U_i	690 V
Rated Impulse Withstand Voltage (Control Circuit)	U_{imp}	4 kV
Rated Short-Time Withstand Current	I_{cw}	10 kA
Rated Short-Circuit Making Capacity	I_{cm}	17 kA
Rated Frequency		50 Hz
Automatic Transfer Time		≤ 900 ms
Load Disconnect Time		≤ 100 ms
Pole Number		3P
Usage Category		AC-33B
TSE Class		PC-Class
Control Circuit		155-300 V AC, 50 Hz
Auxiliary Circuit		70% - 120% U_e , 50 Hz, $I_e = 6$ A
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 165 V / Overvoltage Value: 270 V
Mechanical Life		20000 times
Electrical Life		6000 times
Operating Cycle		One operation per 10 s
Additional Functions		F (Mains to Generator) Automatic generator start/stop supported T (Communication) External communication interface
Generator Start Control		One normally open output (3 A / AC 230 V), immediate start, 5 s stop delay
Return Transfer Delay (B to A)		Adjustable from 0 to 30 s
Enclosure Material		Glass Fiber Reinforced Unsaturated Polyester (DMC)

Order Information

Ordering Code	220
N2M125-220/3	1212330
N2M125-220/3F	1212331
N2M125-220/3T	1212332
N2M125-220/3FT	1212333



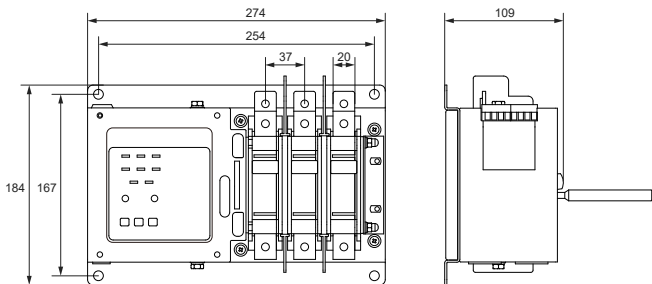
N2M125-220/3(F/T)

Product Overview



- ① Terminal Block for Main Power A & Standby Power B
- ② Nameplate
- ③ Commissioning Handle
- ④ Mechanical Indicator of Power Transfer
- ⑤ Mounting Base
- ⑥ Standby Power Terminals
- ⑦ Main Power Terminals
- ⑧ Terminal Block Modules
- ⑨ Load Terminals

Dimensions & Packaging

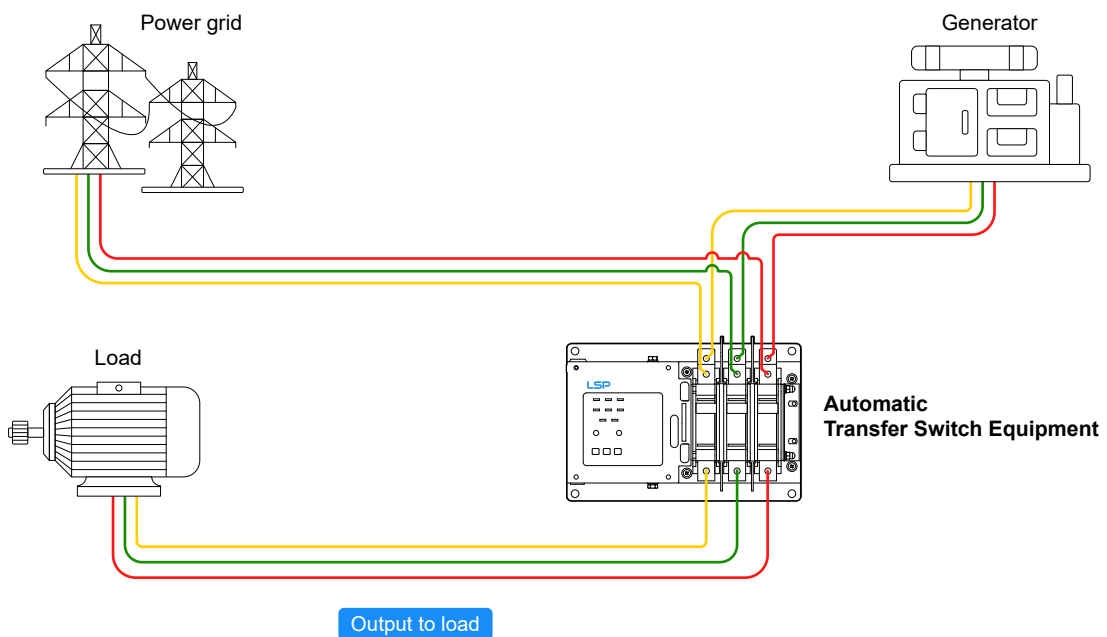


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Packing Information

Units per Carton	1 pc
Product / Carton Weight	5.02 kg / 0.88 kg
Net / Gross Weight per Carton	5.02 kg / 5.9 kg
Dimensions (H × W × L)	[180 × 250 × 370 mm]

Easy Installation Instructions



Automatic Transfer Switch Equipment N2M125-220/4(F/T)



- 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 80 A to 125 A
- Compliance: IEC 60947-6-1

The N2M125 series ensures reliable power for critical applications (e.g., fire protection, telecom, healthcare) with fast switching between main and backup power sources (utility grid, generator, or battery). It features an excitation mechanism, microcomputer control, intelligent monitoring, and strong EMC, operating at 220 V without additional control power. Suitable for three-phase systems (80-125 A), it supports automatic and manual transfer, complying with IEC 60947-6-1.

Technical Data

N2M125-220/4(F/T)

220

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		125 A
Rated Operational Current	I_e	80 A / 125 A
Rated Insulation Voltage (Main Circuit)	U_i	690 V
Rated Impulse Withstand Voltage (Main Circuit)	U_{imp}	8 kV
Rated Insulation Voltage (Control Circuit)	U_i	690 V
Rated Impulse Withstand Voltage (Control Circuit)	U_{imp}	4 kV
Rated Short-Time Withstand Current	I_{cw}	10 kA
Rated Short-Circuit Making Capacity	I_{cm}	17 kA
Rated Frequency		50 Hz
Automatic Transfer Time		≤ 900 ms
Load Disconnect Time		≤ 100 ms
Pole Number		4P
Usage Category		AC-33B
TSE Class		PC-Class
Control Circuit		155-300 V AC, 50 Hz
Auxiliary Circuit		70% - 120% U_e , 50 Hz, $I_e = 6$ A
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 165 V / Overvoltage Value: 270 V
Mechanical Life		20000 times
Electrical Life		6000 times
Operating Cycle		One operation per 10 s
Additional Functions		F (Mains to Generator) Automatic generator start/stop supported T (Communication) External communication interface
Generator Start Control		One normally open output (3 A / AC 230 V), immediate start, 5 s stop delay
Return Transfer Delay (B to A)		Adjustable from 0 to 30 s
Enclosure Material		Glass Fiber Reinforced Unsaturated Polyester (DMC)

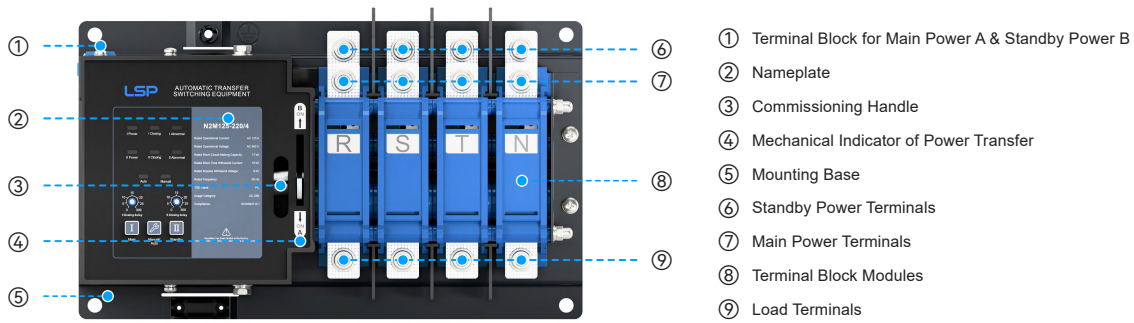
Order Information

Ordering Code	220
N2M125-220/4	1212430
N2M125-220/4F	1212431
N2M125-220/4T	1212432
N2M125-220/4FT	1212433

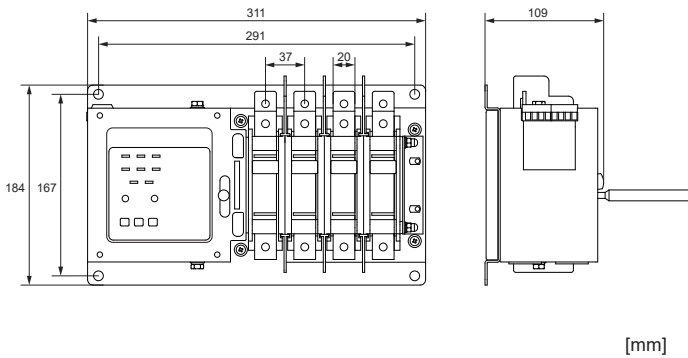


N2M125-220/4(F/T)

Product Overview



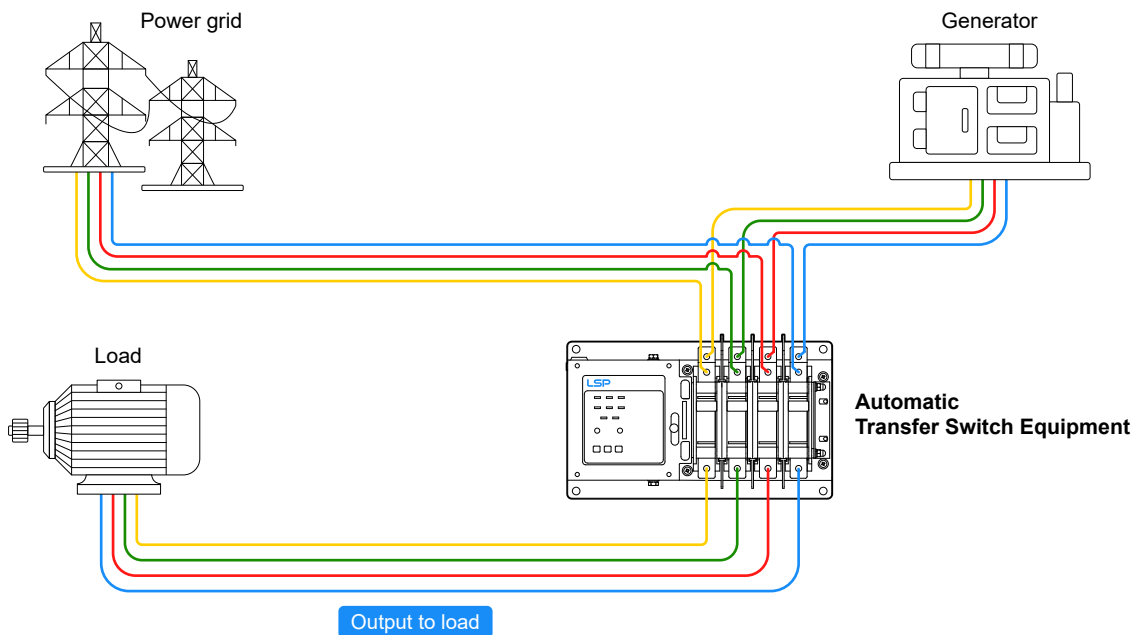
Dimensions & Packaging



Packing Information

Units per Carton	1 pc
Product / Carton Weight	5.7 kg / 1.3 kg
Net / Gross Weight per Carton	5.7 kg / 7.0 kg
Dimensions (H × W × L)	[180 × 250 × 370 mm]

Easy Installation Instructions



Automatic Transfer Switch Equipment N2M250-220/3(F/T)



- 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 160 A to 250 A
- Compliance: IEC 60947-6-1

The N2M250 series ensures reliable power for critical applications (e.g., fire protection, telecom, healthcare) with fast switching between main and backup power sources (utility grid, generator, or battery). It features an excitation mechanism, microcomputer control, intelligent monitoring, and strong EMC, operating at 220 V without additional control power. Suitable for three-phase systems (160-250 A), it supports automatic and manual transfer, complying with IEC 60947-6-1.

Technical Data

N2M250-220/3

220

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		250 A
Rated Operational Current	I_e	160 A / 250 A
Rated Insulation Voltage (Main Circuit)	U_i	690 V
Rated Impulse Withstand Voltage (Main Circuit)	U_{imp}	8 kV
Rated Insulation Voltage (Control Circuit)	U_i	690 V
Rated Impulse Withstand Voltage (Control Circuit)	U_{imp}	4 kV
Rated Short-Time Withstand Current	I_{cw}	10 kA / 60 ms
Rated Frequency		50 Hz
Automatic Transfer Time		≤ 900 ms
Load Disconnect Time		≤ 100 ms
Pole Number		3P
Usage Category		AC-33B
TSE Class		PC-Class
Control Circuit		155-300 V AC, 50 Hz
Auxiliary Circuit		70% - 120% U_e , 50 Hz, $I_e = 10$ A
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 165 V / Overvoltage Value: 270 V
Mechanical Life		8000 times
Electrical Life		3000 times
Operating Cycle		One operation per 10 s
Additional Functions		F (Mains to Generator) Automatic generator start/stop supported T (Communication) External communication interface
Generator Start Control		One normally open output (3 A / 230 V AC), immediate start, 5 s stop delay
Return Transfer Delay (B to A)		Adjustable from 0 to 30 s

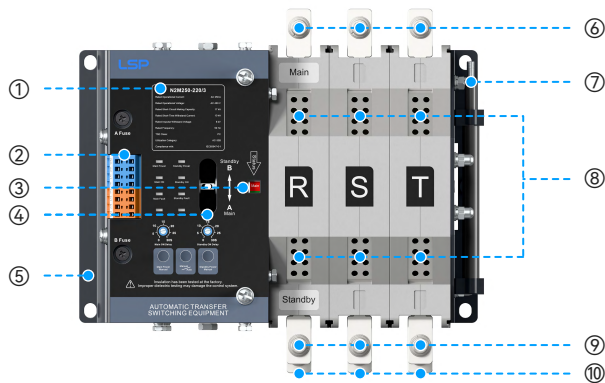
Order Information

Ordering Code	220
N2M250-220/3	2512330
N2M250-220/3F	2512331
N2M250-220/3T	2512332
N2M250-220/3FT	2512333



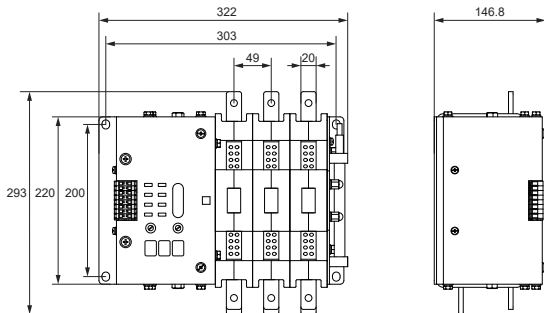
N2M250-220/3(F/T)

Product Overview



- ① Nameplate
- ② Terminal Blocks for Main Power A & Standby Power B
- ③ Mechanical Indicator of Power Transfer
- ④ Commissioning Handle Socket
- ⑤ Mounting Base
- ⑥ Main Power Terminals
- ⑦ Commissioning Handle (Removable)
- ⑧ Arc Chute
- ⑨ Standby Power Terminals
- ⑩ Load Terminals

Dimensions & Packaging

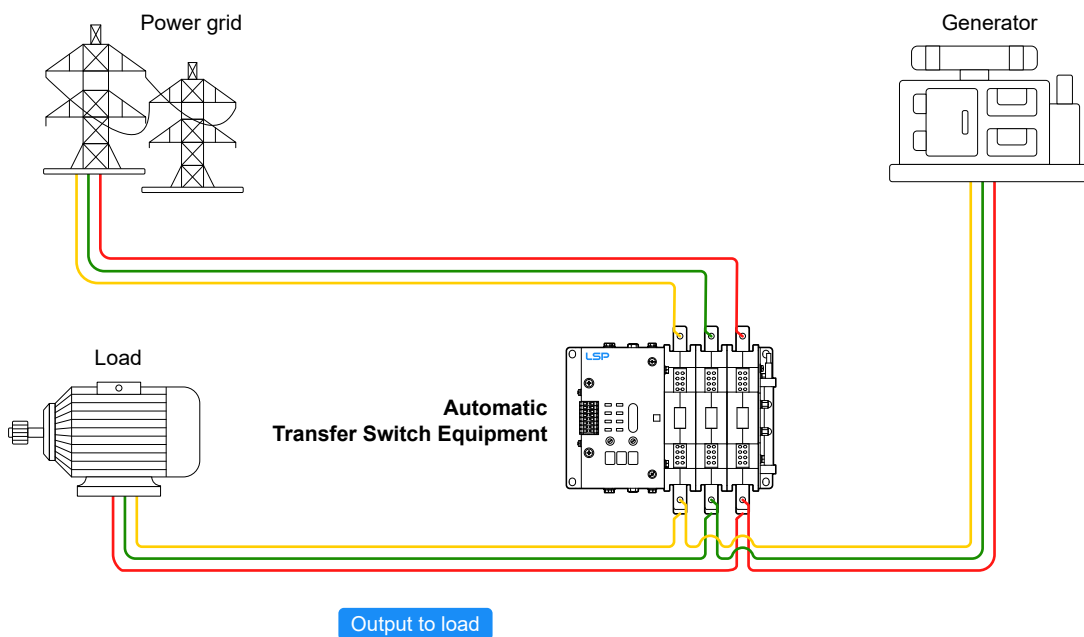


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Packing Information

Units per Carton	1 pc
Product / Carton Weight	14.7 kg / 0.9 kg
Net / Gross Weight per Carton	14.7 kg / 15.6 kg
Dimensions (H × W × L)	[240 × 330 × 470 mm]

Easy Installation Instructions



Automatic Transfer Switch Equipment N2M250-220/4(F/T)



- 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 160 A to 250 A
- Compliance: IEC 60947-6-1

The N2M250 series ensures reliable power for critical applications (e.g., fire protection, telecom, healthcare) with fast switching between main and backup power sources (utility grid, generator, or battery). It features an excitation mechanism, microcomputer control, intelligent monitoring, and strong EMC, operating at 220 V without additional control power. Suitable for three-phase systems (160-250 A), it supports automatic and manual transfer, complying with IEC 60947-6-1.

Technical Data

N2M250-220/4

220

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		250 A
Rated Operational Current	I_e	160 A / 250 A
Rated Insulation Voltage (Main Circuit)	U_i	690 V
Rated Impulse Withstand Voltage (Main Circuit)	U_{imp}	8 kV
Rated Insulation Voltage (Control Circuit)	U_i	690 V
Rated Impulse Withstand Voltage (Control Circuit)	U_{imp}	4 kV
Rated Short-Time Withstand Current	I_{cw}	10 kA / 60 ms
Rated Frequency		50 Hz
Automatic Transfer Time		≤ 900 ms
Load Disconnect Time		≤ 100 ms
Pole Number		4P
Usage Category		AC-33B
TSE Class		PC-Class
Control Circuit		155-300 V AC, 50 Hz
Auxiliary Circuit		70% - 120% U_e , 50 Hz, $I_e = 10$ A
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 165 V / Overvoltage Value: 270 V
Mechanical Life		8000 times
Electrical Life		3000 times
Operating Cycle		One operation per 10 s
Additional Functions		F (Mains to Generator) Automatic generator start/stop supported T (Communication) External communication interface
Generator Start Control		One normally open output (3 A / 230 V AC), immediate start, 5 s stop delay
Return Transfer Delay (B to A)		Adjustable from 0 to 30 s

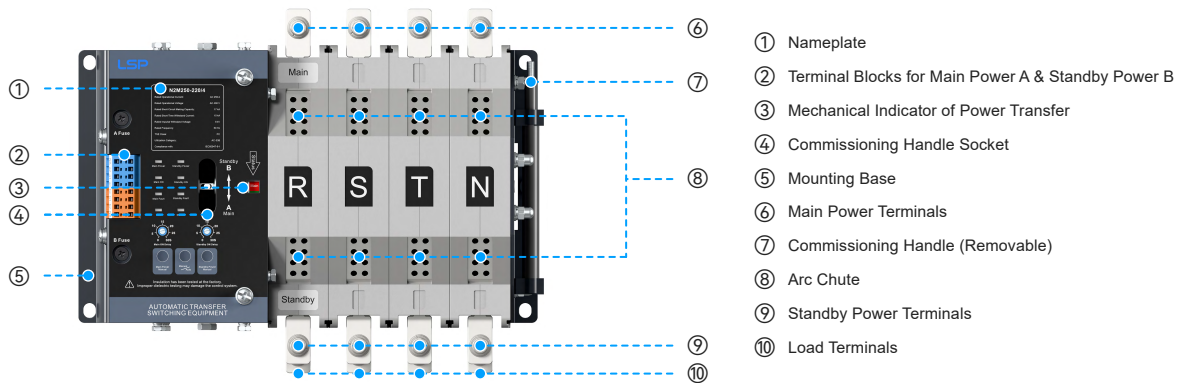
Order Information

Ordering Code	220
N2M250-220/4	2512430
N2M250-220/4F	2512431
N2M250-220/4T	2512432
N2M250-220/4FT	2512433

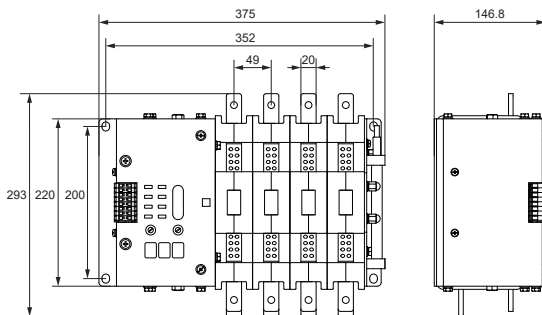


N2M250-220/4(F/T)

Product Overview



Dimensions & Packaging

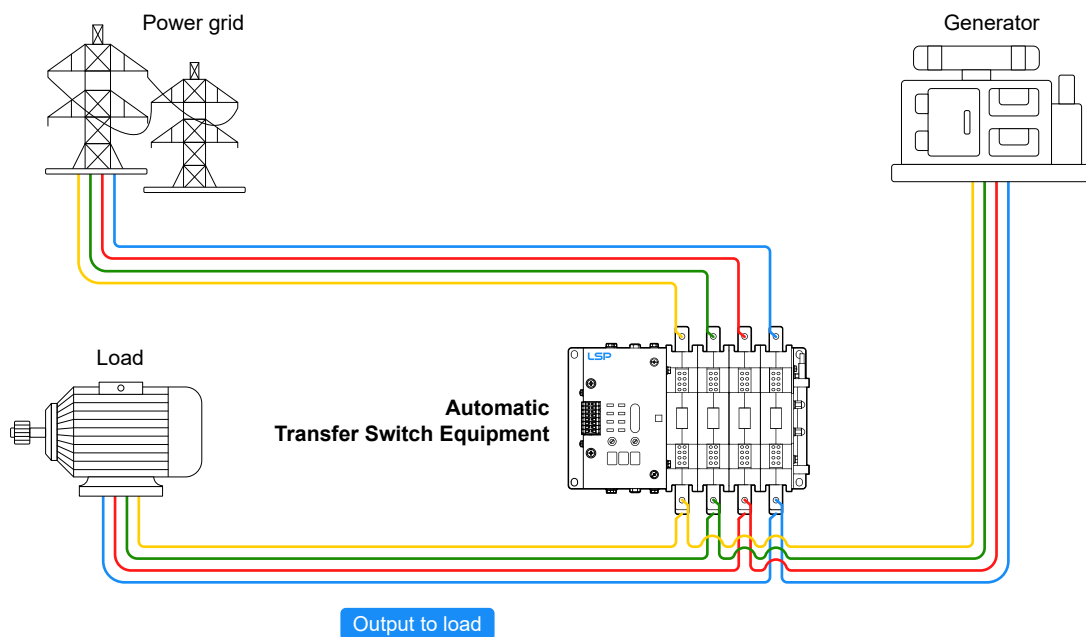


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Packing Information

Units per Carton	1 pc
Product / Carton Weight	17.0 kg / 1.0 kg
Net / Gross Weight per Carton	17.0 kg / 18.0 kg
Dimensions (H × W × L)	[240 × 330 × 520 mm]

Easy Installation Instructions



Automatic Transfer Switch Equipment N2M400-220/4(F/T)



- 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 315 A to 400 A
- Compliance: IEC 60947-6-1

The N2M400 series ensures reliable power for critical applications (e.g., fire protection, telecom, healthcare) with fast switching between main and backup power sources (utility grid, generator, or battery). It features an excitation mechanism, microcomputer control, intelligent monitoring, and strong EMC, operating at 220 V without additional control power. Suitable for three-phase systems (315-400 A), it supports automatic and manual transfer, complying with IEC 60947-6-1.

Technical Data

N2M400-220/4

220

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		400 A
Rated Operational Current	I_e	315 A / 400 A
Rated Insulation Voltage (Main Circuit)	U_i	690 V
Rated Impulse Withstand Voltage (Main Circuit)	U_{imp}	8 kV
Rated Insulation Voltage (Control Circuit)	U_i	690 V
Rated Impulse Withstand Voltage (Control Circuit)	U_{imp}	4 kV
Rated Short-Time Withstand Current	I_{cw}	10 kA / 1 s
Rated Frequency		50 Hz
Automatic Transfer Time		≤ 900 ms
Load Disconnect Time		≤ 100 ms
Pole Number		4P
Usage Category		AC-33B
TSE Class		PC-Class
Control Circuit		155-300 V AC, 50 Hz
Auxiliary Circuit		70% - 120% U_e , 50 Hz, $I_e = 10$ A
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 165 V / Overvoltage Value: 270 V
Mechanical Life		8000 times
Electrical Life		3000 times
Operating Cycle		One operation per 10 s
Additional Functions		F (Mains to Generator) Automatic generator start/stop supported T (Communication) External communication interface
Generator Start Control		One normally open output (3 A / 230 V AC), immediate start, 5 s stop delay
Return Transfer Delay (B to A)		Adjustable from 0 to 30 s

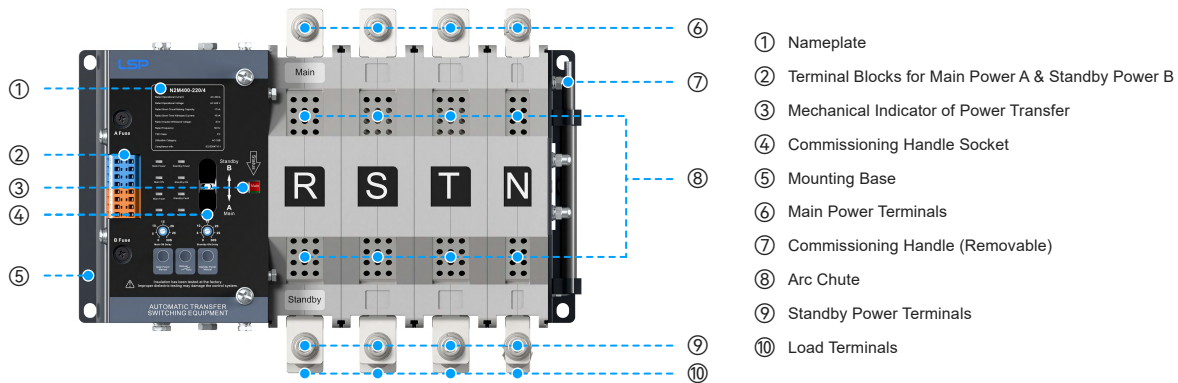
Order Information

Ordering Code	220
N2M400-220/4	4012430
N2M400-220/4F	4012431
N2M400-220/4T	4012432
N2M400-220/4FT	4012433

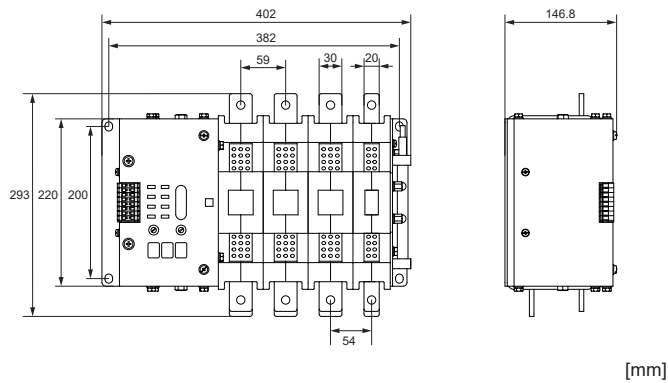


N2M400-220/4(F/T)

Product Overview



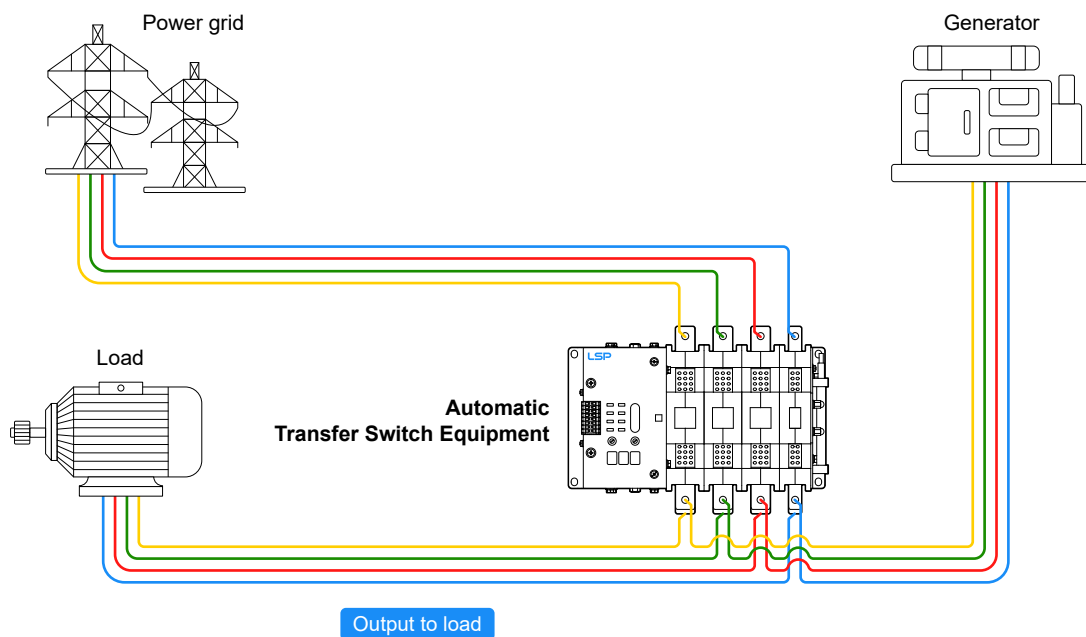
Dimensions & Packaging



Packing Information

Units per Carton	1 pc
Product / Carton Weight	18.8 kg / 1.1 kg
Net / Gross Weight per Carton	18.8 kg / 19.9 kg
Dimensions (H × W × L)	[240 × 330 × 550 mm]

Easy Installation Instructions



Automatic Transfer Switch Equipment

N2M630-220/4(F/T)



- 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 500 A to 630 A
- Compliance: IEC 60947-6-1

The N2M630 series ensures reliable power for critical applications (e.g., fire protection, telecom, healthcare) with fast switching between main and backup power sources (utility grid, generator, or battery). It features an excitation mechanism, microcomputer control, intelligent monitoring, and strong EMC, operating at 220 V without additional control power. Suitable for three-phase systems (500-630 A), it supports automatic and manual transfer, complying with IEC 60947-6-1.

Technical Data

N2M630-220/4

220

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		630 A
Rated Operational Current	I_e	500 A / 630 A
Rated Insulation Voltage (Main Circuit)	U_i	690 V
Rated Impulse Withstand Voltage (Main Circuit)	U_{imp}	8 kV
Rated Insulation Voltage (Control Circuit)	U_i	690 V
Rated Impulse Withstand Voltage (Control Circuit)	U_{imp}	4 kV
Rated Short-Time Withstand Current	I_{cw}	10 kA / 1 s
Rated Frequency		50 Hz
Automatic Transfer Time		≤ 900 ms
Load Disconnect Time		≤ 100 ms
Pole Number		4P
Usage Category		AC-33B
TSE Class		PC-Class
Control Circuit		155-300 V AC, 50 Hz
Auxiliary Circuit		70% - 120% U_e , 50 Hz, $I_e = 10$ A
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 165 V / Overvoltage Value: 270 V
Mechanical Life		8000 times
Electrical Life		2000 times
Operating Cycle		One operation per 10 s
Additional Functions		F (Mains to Generator) Automatic generator start/stop supported T (Communication) External communication interface
Generator Start Control		One normally open output (3 A / 230 V AC), immediate start, 5 s stop delay
Return Transfer Delay (B to A)		Adjustable from 0 to 30 s

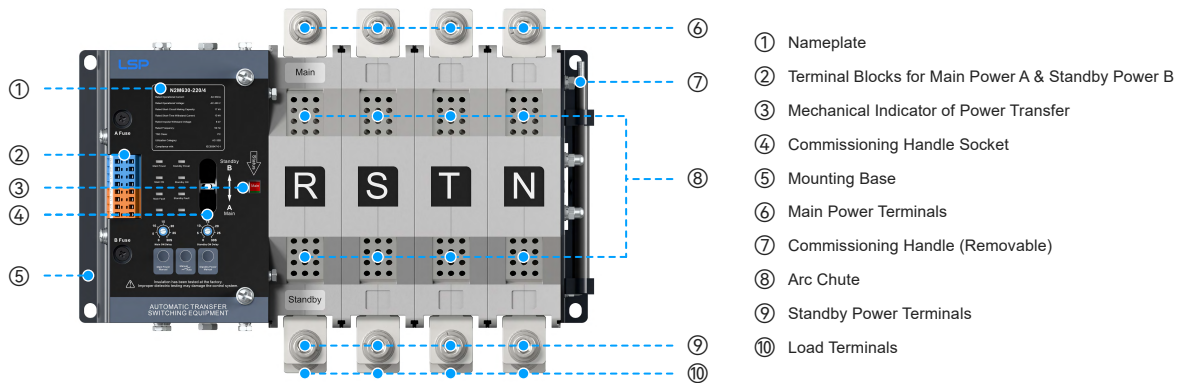
Order Information

Ordering Code	220
N2M630-220/4	6312430
N2M630-220/4F	6312431
N2M630-220/4T	6312432
N2M630-220/4FT	6312433

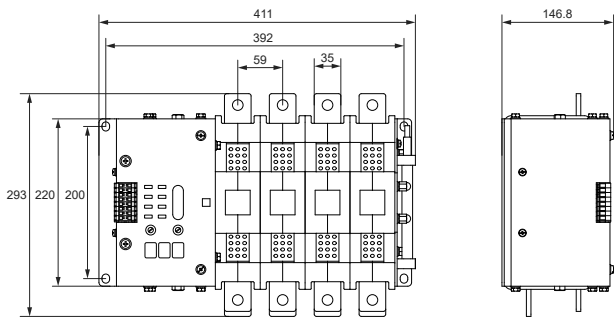


N2M630-220/4(F/T)

Product Overview



Dimensions & Packaging

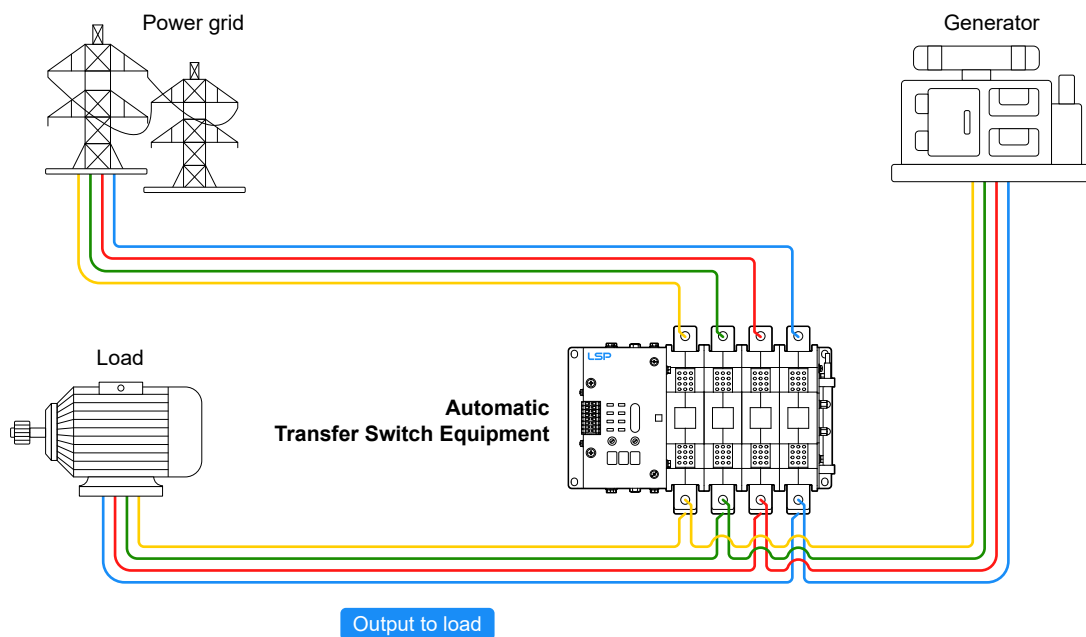


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Packing Information

Units per Carton	1 pc
Product / Carton Weight	19.06 kg / 1.74 kg
Net / Gross Weight per Carton	19.06 kg / 20.8 kg
Dimensions (H × W × L)	[240 × 330 × 550 mm]

Easy Installation Instructions



Automatic Transfer Switch Equipment S3M125-220/4(F/T)



- 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 80 A to 125 A
- Monitoring: Three-phase sampling
- Transfer Positions: Three-position (A-0-B)
- Firefighting Interlock Function
- Compliance: IEC 60947-6-1

Technical Data

S3M125-220/4

220

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		125 A
Rated Operational Current	I_e	125 A
Rated Insulation Voltage (Main Circuit)	U_i	800 V
Rated Impulse Withstand Voltage (Main Circuit)	U_{imp}	8 kV
Rated Insulation Voltage (Control Circuit)	U_i	690 V
Rated Impulse Withstand Voltage (Control Circuit)	U_{imp}	4 kV
Rated Short-Time Withstand Current	I_{cw}	10 kA / 30 ms
Rated Short-Circuit Making Capacity	I_{cm}	17 kA
Rated Frequency		50/60 Hz
Automatic Transfer Time (A to B)		≤ 200 ms
Load Disconnect Time		≤ 100 ms
Pole Number		4P
Usage Category		AC-33iB
TSE Class		PC-Class
Control Circuit		155-300 V AC, 50 Hz
Auxiliary Circuit		70% - 120% U_e , 50 Hz, $I_e = 6$ A
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 165 V / Overvoltage Value: 270 V
Mechanical Life		20000 times
Electrical Life		6000 times
Max Switching Frequency		60 operations per hour
Additional Functions		F (Mains to Generator) Automatic generator start/stop supported T (Communication) External communication interface
Generator Start Control		One normally open output (3 A / 230 V AC), immediate start, 5 s stop delay
Return Transfer Delay (B to A)		Adjustable from 0 to 30 s
Degree of Protection		IP20

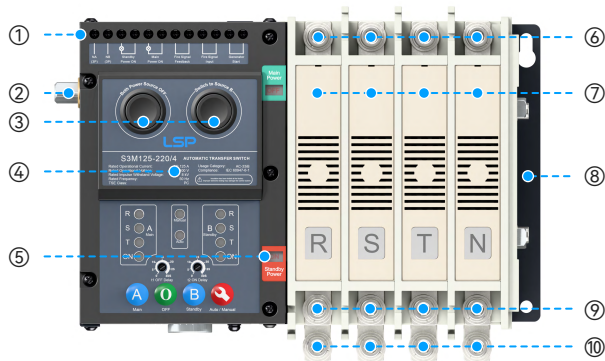
Order Information

Ordering Code	220
S3M125-220/4	1212440
S3M125-220/4F	1212441
S3M125-220/4T	1212442
S3M125-220/4FT	1212443



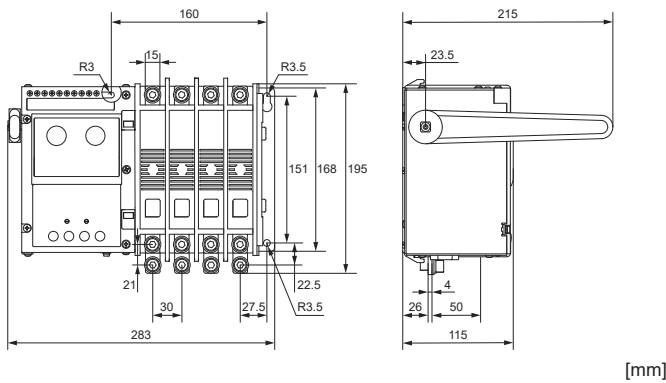
S3M125-220/4(F/T)

Product Overview



- ① Terminal Blocks for Main Power A & Standby Power B
- ② Commissioning Handle
- ③ Power Off / Transfer to Standby Power Push Button
- ④ Nameplate
- ⑤ Mechanical Indicator of Power Transfer
- ⑥ Main Power Terminals
- ⑦ Terminals Block Modules
- ⑧ Mounting Base
- ⑨ Standby Power Terminals
- ⑩ Load Terminals

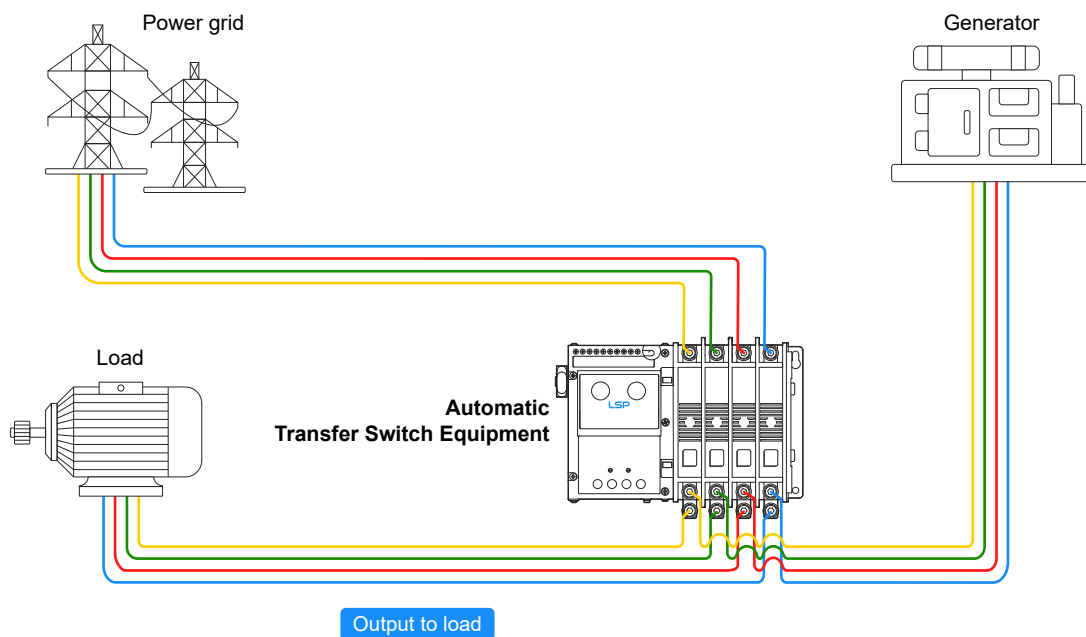
Dimensions & Packaging



Packing Information

Units per Carton	1 pc
Product / Carton Weight	7.92 kg / 0.68 kg
Net / Gross Weight per Carton	7.92 kg / 8.6 kg
Dimensions (H × W × L)	[210 × 270 × 380 mm]

Easy Installation Instructions



Automatic Transfer Switch Equipment

S3M250-220/4(F/T)



- 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 160 A to 250 A
- Monitoring: Three-phase sampling
- Transfer Positions: Three-position (A-0-B)
- Firefighting Interlock Function
- Compliance: IEC 60947-6-1

Technical Data

S3M250-220/4

220

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		250 A
Rated Operational Current	I_e	250 A
Rated Insulation Voltage (Main Circuit)	U_i	800 V
Rated Impulse Withstand Voltage (Main Circuit)	U_{imp}	8 kV
Rated Insulation Voltage (Control Circuit)	U_i	690 V
Rated Impulse Withstand Voltage (Control Circuit)	U_{imp}	4 kV
Rated Short-Time Withstand Current	I_{cw}	10 kA / 30 ms
Rated Short-Circuit Making Capacity	I_{cm}	17 kA
Rated Frequency		50/60 Hz
Automatic Transfer Time (A to B)		≤ 200 ms
Load Disconnect Time		≤ 100 ms
Pole Number		4P
Usage Category		AC-33iB
TSE Class		PC-Class
Control Circuit		155-300 V AC, 50 Hz
Auxiliary Circuit		70% - 120% U_e , 50 Hz, $I_e = 6$ A
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 165 V / Overvoltage Value: 270 V
Mechanical Life		8000 times
Electrical Life		3000 times
Max Switching Frequency		60 operations per hour
Additional Functions		F (Mains to Generator) Automatic generator start/stop supported T (Communication) External communication interface
Generator Start Control		One normally open output (3 A / 230 V AC), immediate start, 5 s stop delay
Return Transfer Delay (B to A)		Adjustable from 0 to 30 s
Degree of Protection		IP20

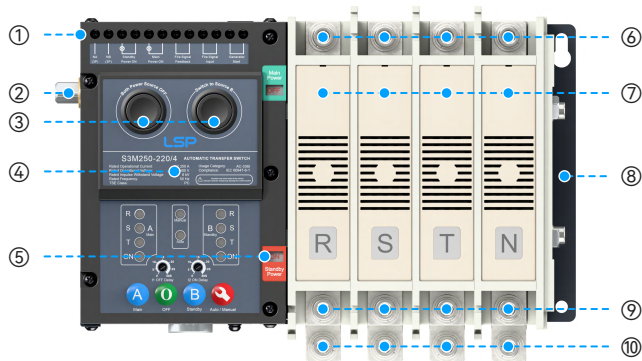
Order Information

Ordering Code	220
S3M250-220/4	2512440
S3M250-220/4F	2512441
S3M250-220/4T	2512442
S3M250-220/4FT	2512443



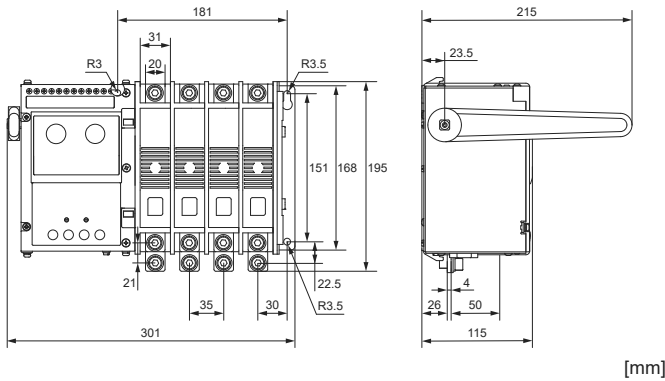
S3M250-220/4(F/T)

Product Overview



- ① Terminal Blocks for Main Power A & Standby Power B
- ② Commissioning Handle
- ③ Power Off / Transfer to Standby Power Push Button
- ④ Nameplate
- ⑤ Mechanical Indicator of Power Transfer
- ⑥ Main Power Terminals
- ⑦ Terminals Block Modules
- ⑧ Mounting Base
- ⑨ Standby Power Terminals
- ⑩ Load Terminals

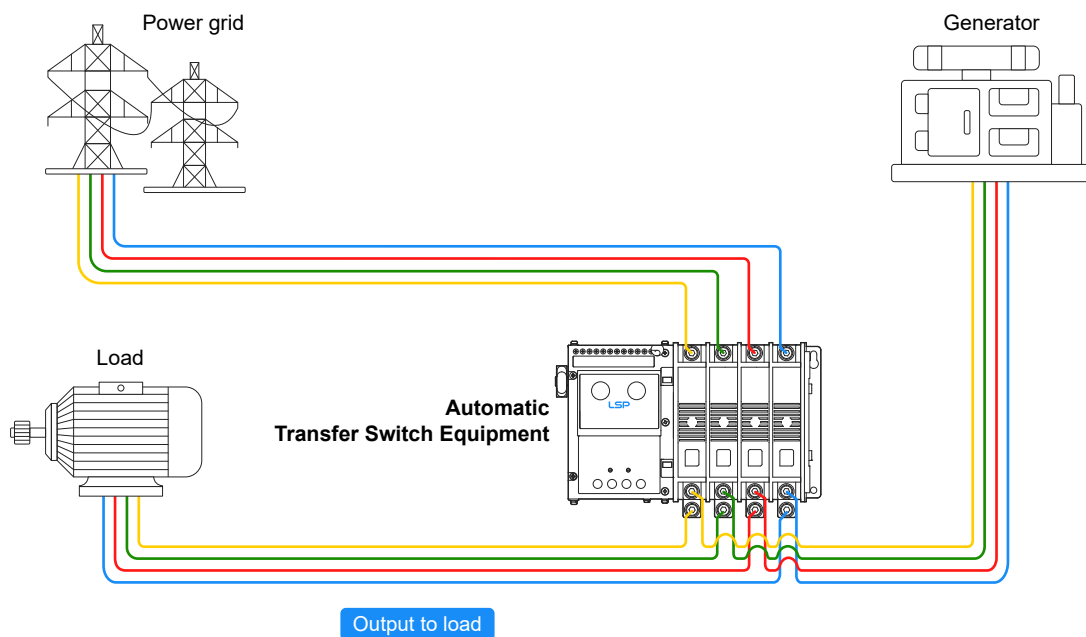
Dimensions & Packaging



Packing Information

Units per Carton	1 pc
Product / Carton Weight	8.72 kg / 0.68 kg
Net / Gross Weight per Carton	8.72 kg / 9.4 kg
Dimensions (H × W × L)	[210 × 270 × 380 mm]

Easy Installation Instructions



Automatic Transfer Switch Equipment

S3M630-220/4(F/T)



- 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 315 A to 630 A
- Monitoring: Three-phase sampling
- Transfer Positions: Three-position (A-0-B)
- Firefighting Interlock Function
- Compliance: IEC 60947-6-1

Technical Data

S3M630-220/4

220

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		630 A
Rated Operational Current	I_e	630 A
Rated Insulation Voltage (Main Circuit)	U_i	800 V
Rated Impulse Withstand Voltage (Main Circuit)	U_{imp}	8 kV
Rated Insulation Voltage (Control Circuit)	U_i	690 V
Rated Impulse Withstand Voltage (Control Circuit)	U_{imp}	4 kV
Rated Short-Time Withstand Current	I_{cw}	12.6 kA / 60 ms
Rated Short-Circuit Making Capacity	I_{cm}	17 kA
Rated Frequency		50/60 Hz
Automatic Transfer Time (A to B)		≤ 200 ms
Load Disconnect Time		≤ 100 ms
Pole Number		4P
Usage Category		AC-33iB
TSE Class		PC-Class
Control Circuit		155-300 V AC, 50 Hz
Auxiliary Circuit		70% - 120% U_e , 50 Hz, $I_e = 6$ A
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 165 V / Overvoltage Value: 270 V
Mechanical Life		8000 times
Electrical Life		3000 times
Max Switching Frequency		60 operations per hour
Additional Functions		F (Mains to Generator) Automatic generator start/stop supported T (Communication) External communication interface
Generator Start Control		One normally open output (3 A / 230 V AC), immediate start, 5 s stop delay
Return Transfer Delay (B to A)		Adjustable from 0 to 30 s
Degree of Protection		IP20

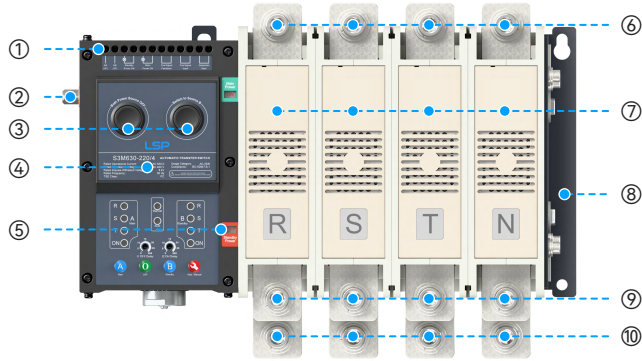
Order Information

Ordering Code	220
S3M630-220/4	6312440
S3M630-220/4F	6312441
S3M630-220/4T	6312442
S3M630-220/4FT	6312443



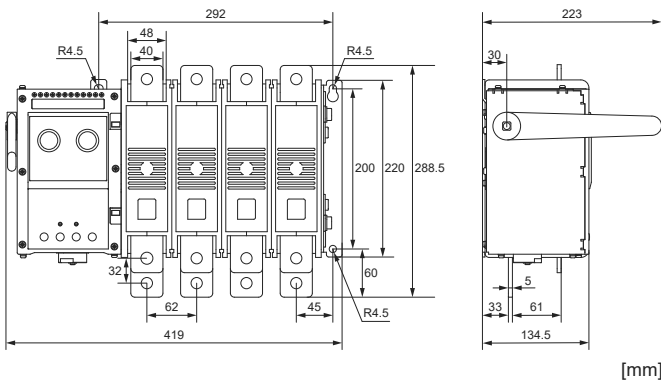
S3M630-220/4(F/T)

Product Overview



- ① Terminal Blocks for Main Power A & Standby Power B
- ② Commissioning Handle
- ③ Power Off / Transfer to Standby Power Push Button
- ④ Nameplate
- ⑤ Mechanical Indicator of Power Transfer
- ⑥ Main Power Terminals
- ⑦ Terminals Block Modules
- ⑧ Mounting Base
- ⑨ Standby Power Terminals
- ⑩ Load Terminals

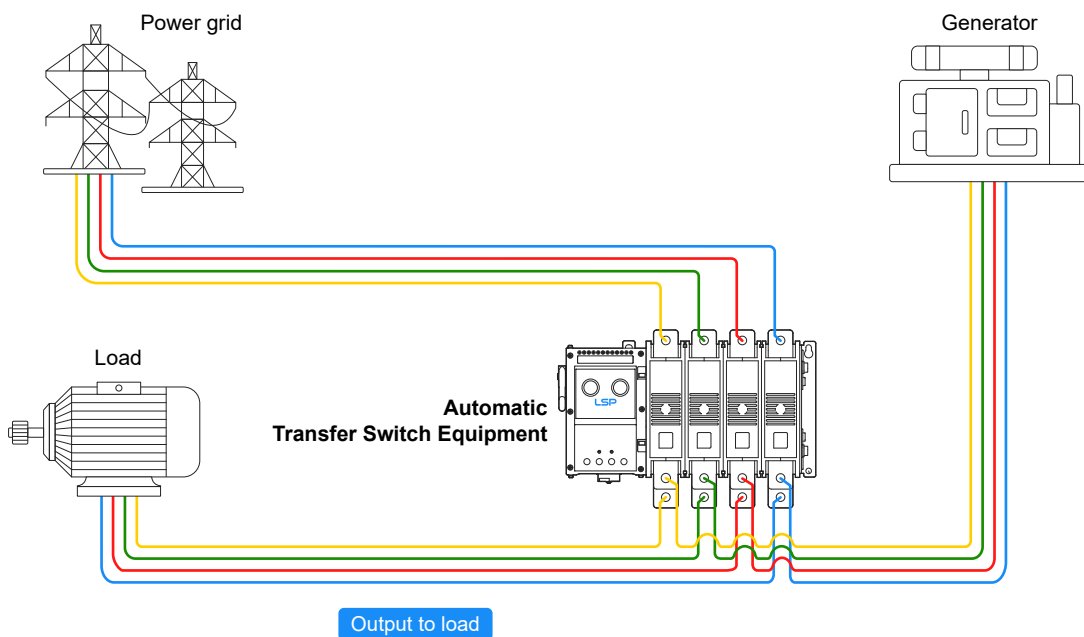
Dimensions & Packaging



Packing Information

Units per Carton	1 pc
Product / Carton Weight	19.6 kg / 1.2 kg
Net / Gross Weight per Carton	19.6 kg / 20.8 kg
Dimensions (H × W × L)	[250 × 375 × 500 mm]

Easy Installation Instructions



Automatic Transfer Switch Equipment G3M100-220/4(F/T)



- 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 16 A to 100 A
- Monitoring: Three-phase sampling
- Transfer Positions: Three-position (A-0-B)
- Firefighting Interlock Function
- Compliance: IEC 60947-6-1

Technical Data

G3M100-220/4

220

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	100 A
Rated Insulation Voltage (Main Circuit)	U_i	690 V
Rated Impulse Withstand Voltage (Main Circuit)	U_{imp}	8 kV
Rated Insulation Voltage (Control Circuit)	U_i	500 V
Rated Impulse Withstand Voltage (Control Circuit)	U_{imp}	4 kV
Rated Short-Time Withstand Current	I_{cw}	5 kA / 30 ms
Rated Short-Circuit Making Capacity	I_{cm}	8 kA
Rated Frequency		50/60 Hz
Automatic Transfer Time (A to B)		3 s
Load Disconnect Time		1.3 s
Pole Number		4P
Usage Category		AC-33B
TSE Class		PC-Class
Control Circuit		155-300 V AC, 50 Hz
Auxiliary Circuit		70% - 120% U_e , 50 Hz, $I_e = 3$ A
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 165 V / Overvoltage Value: 270 V
Mechanical Life		10000 times
Electrical Life		1500 times
Max Switching Frequency		60 operations per hour
Additional Functions		F (Mains to Generator) Automatic generator start/stop supported T (Communication) External communication interface
Generator Start Control		One normally open output (3 A / 230 V AC), immediate start, 5 s stop delay
Degree of Protection		IP20

Order Information

Ordering Code	220
G3M100-220/4	1012450
G3M100-220/4F	1012451
G3M100-220/4T	1012452
G3M100-220/4FT	1012453

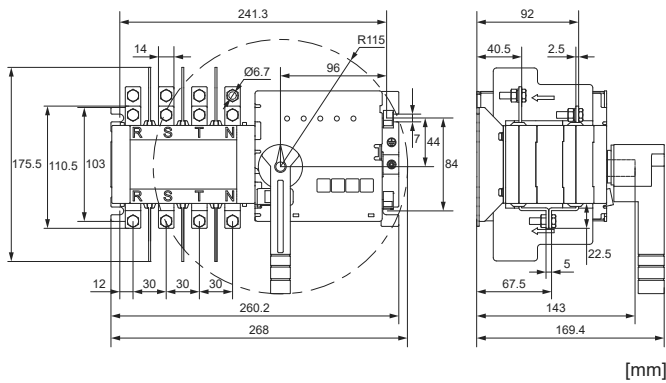


G3M100-220/4(F/T)

Product Overview



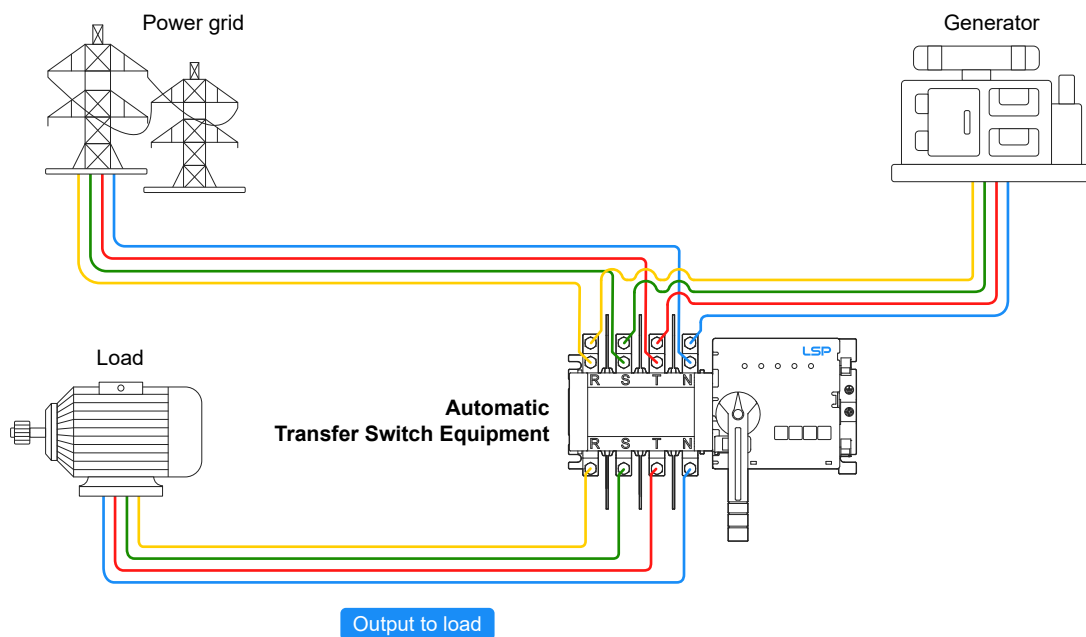
Dimensions & Packaging



Packing Information

Units per Carton	6 pcs
Product / Carton Weight	4.35 kg / 0.8 kg
Net / Gross Weight per Carton	26.1 kg / 26.9 kg
Dimensions (H × W × L)	[395 × 300 × 530 mm]

Easy Installation Instructions



Automatic Transfer Switch Equipment G3M250-220/4(F/T)



- 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 200 A to 250 A
- Monitoring: Three-phase sampling
- Transfer Positions: Three-position (A-0-B)
- Firefighting Interlock Function
- Compliance: IEC 60947-6-1

Technical Data

G3M250-220/4

220

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		250 A
Rated Operational Current	I_e	250 A
Rated Insulation Voltage (Main Circuit)	U_i	690 V
Rated Impulse Withstand Voltage (Main Circuit)	U_{imp}	8 kV
Rated Insulation Voltage (Control Circuit)	U_i	500 V
Rated Impulse Withstand Voltage (Control Circuit)	U_{imp}	4 kV
Rated Short-Time Withstand Current	I_{cw}	10 kA / 60 ms
Rated Short-Circuit Making Capacity	I_{cm}	17 kA
Rated Frequency		50/60 Hz
Automatic Transfer Time (A to B)		2.5 s
Load Disconnect Time		1 s
Pole Number		4P
Usage Category		AC-33iB
TSE Class		PC-Class
Control Circuit		155-300 V AC, 50 Hz
Auxiliary Circuit		70% - 120% U_e , 50 Hz, $I_e = 3 A$
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 165 V / Overvoltage Value: 270 V
Mechanical Life		8000 times
Electrical Life		1000 times
Max Switching Frequency		60 operations per hour
Additional Functions		F (Mains to Generator) Automatic generator start/stop supported T (Communication) External communication interface
Generator Start Control		One normally open output (3 A / 230 V AC), immediate start, 5 s stop delay
Degree of Protection		IP20

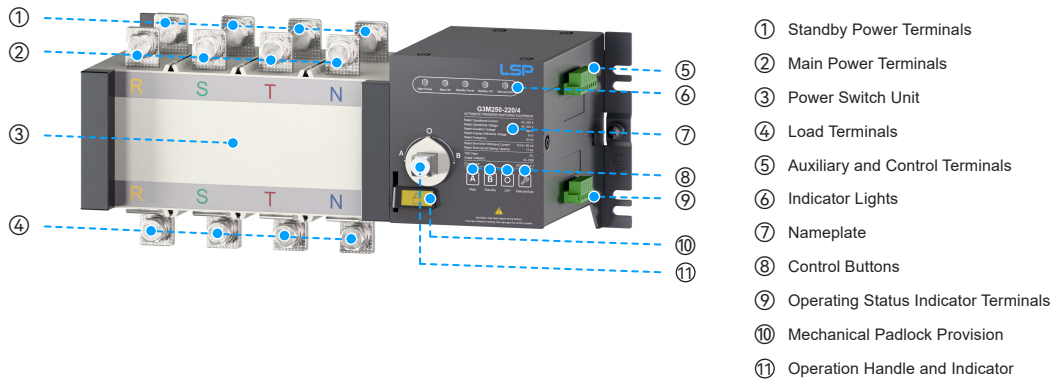
Order Information

Ordering Code	220
G3M250-220/4	2512450
G3M250-220/4F	2512451
G3M250-220/4T	2512452
G3M250-220/4FT	2512453

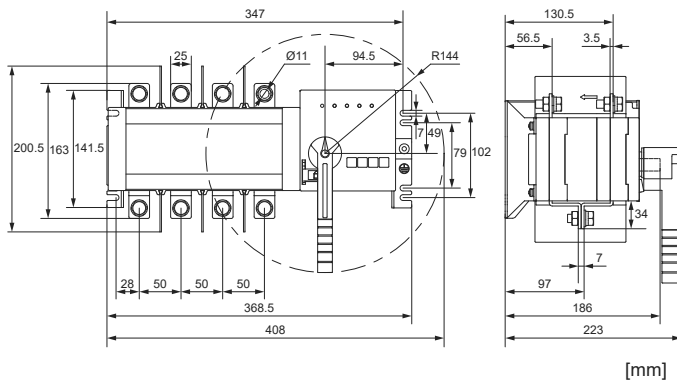


G3M250-220/4(F/T)

Product Overview



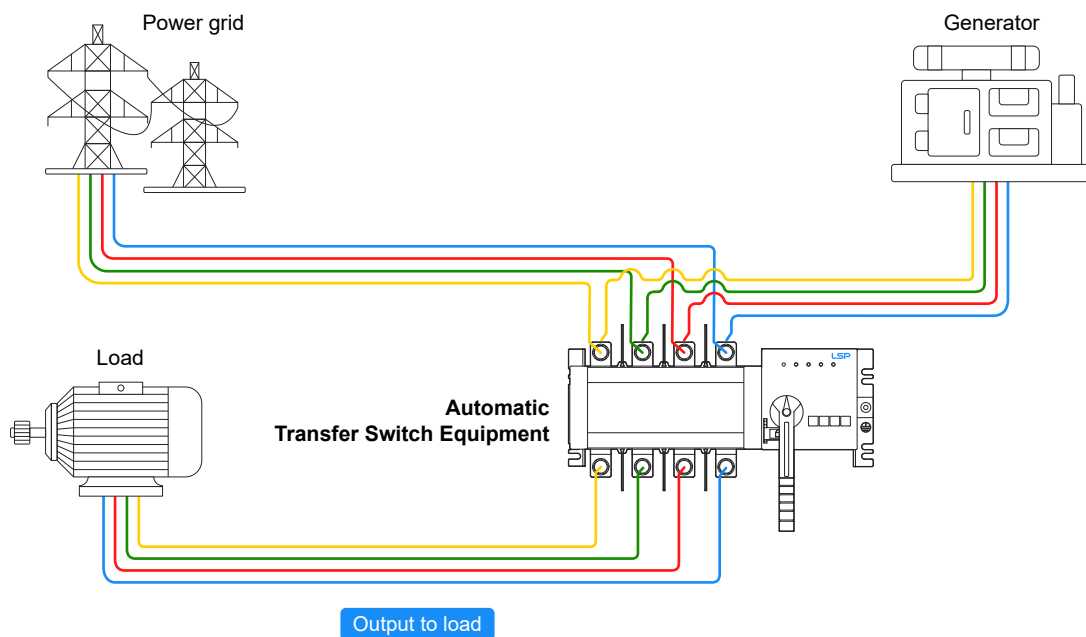
Dimensions & Packaging



Packing Information

Units per Carton	2 pcs
Product / Carton Weight	9.16 kg / 0.74 kg
Net / Gross Weight per Carton	18.32 kg / 19.06 kg
Dimensions (H × W × L)	[280 × 435 × 455 mm]

Easy Installation Instructions



Automatic Transfer Switch Equipment G3M630-220/4(F/T)



- 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 315 A to 630 A
- Monitoring: Three-phase sampling
- Transfer Positions: Three-position (A-0-B)
- Firefighting Interlock Function
- Compliance: IEC 60947-6-1

Technical Data

G3M630-220/4

220

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		630 A
Rated Operational Current	I_e	630 A
Rated Insulation Voltage (Main Circuit)	U_i	800 V
Rated Impulse Withstand Voltage (Main Circuit)	U_{imp}	8 kV
Rated Insulation Voltage (Control Circuit)	U_i	500 V
Rated Impulse Withstand Voltage (Control Circuit)	U_{imp}	4 kV
Rated Short-Time Withstand Current	I_{cw}	12.6 kA / 60 ms
Rated Short-Circuit Making Capacity	I_{cm}	26 kA
Rated Frequency		50/60 Hz
Automatic Transfer Time (A to B)		3 s
Load Disconnect Time		1.5 s
Pole Number		4P
Usage Category		AC-33iB
TSE Class		PC-Class
Control Circuit		155-300 V AC, 50 Hz
Auxiliary Circuit		70% - 120% U_e , 50 Hz, $I_e = 3$ A
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 165 V / Overvoltage Value: 270 V
Mechanical Life		8000 times
Electrical Life		1000 times
Max Switching Frequency		60 operations per hour
Additional Functions		F (Mains to Generator) Automatic generator start/stop supported T (Communication) External communication interface
Generator Start Control		One normally open output (3 A / 230 V AC), immediate start, 5 s stop delay
Degree of Protection		IP20

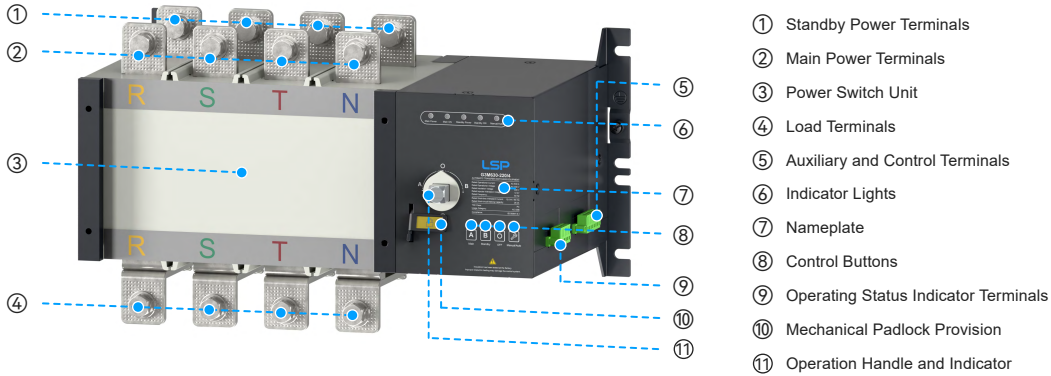
Order Information

Ordering Code	220
G3M630-220/4	6312450
G3M630-220/4F	6312451
G3M630-220/4T	6312452
G3M630-220/4FT	6312453

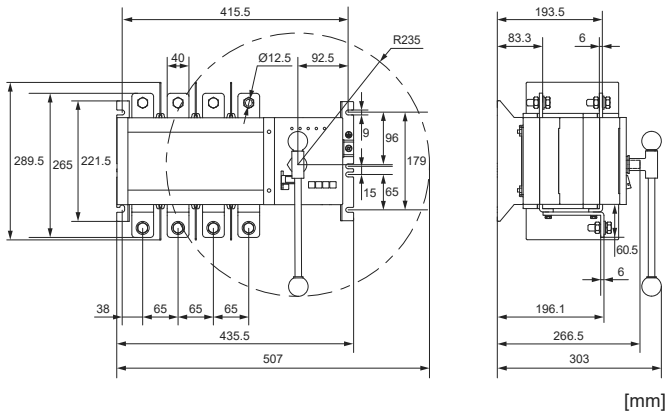


G3M630-220/4(F/T)

Product Overview



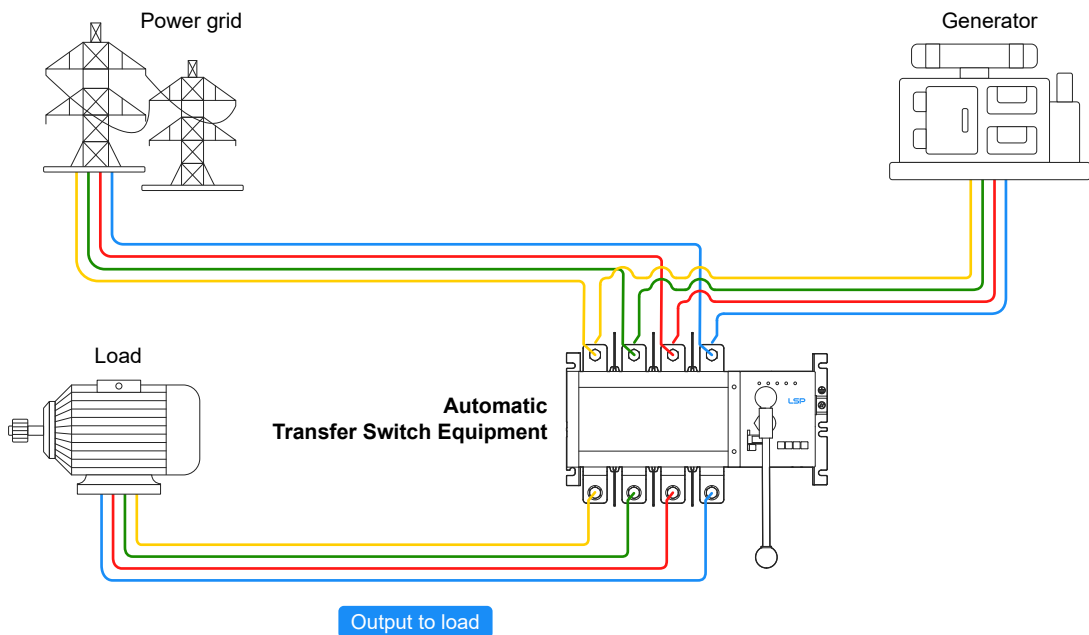
Dimensions & Packaging



Packing Information

Units per Carton	1 pc
Product / Carton Weight	23.34 kg / 0.66 kg
Net / Gross Weight per Carton	23.34 kg / 24 kg
Dimensions (H × W × L)	[320 × 300 × 490 mm]

Easy Installation Instructions



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