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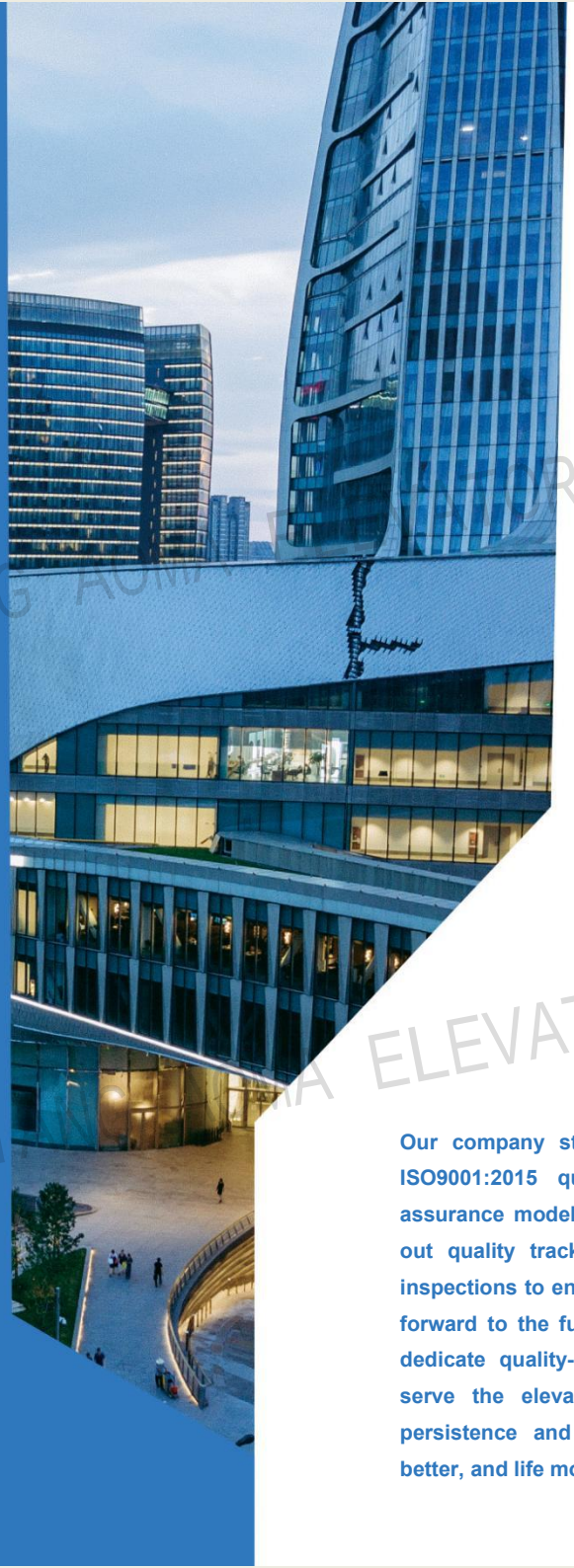
Products Brochure

EMERGENCY POWER

CONTENTS



ABOUT US

Our company always puts customers first. Before placing an order, we will customize the elevator for you according to the different requirements of the customer, such as the specific specifications of the elevator soft, the height of the floor, the design of the machine room and the size and height of the elevator.Elevator car... We know that each customer has different requirements for elevators, which is why customization is our top priority. Another feature we are proud of is that we provide customers with free elevator civil drawings before placing orders, customize products according to customers' requirements, and attach a complete English assembly instruction manual to the final delivery for customers understand that our custom products work without difficulty.

Zhejiang Aoma Elevator Company is located in Nanxun, Huzhou, Zhejiang. Nanxun is a veritable smart elevator city. Smart Town takes the overall elevator manufacturing as its core, integrates leading domestic elevator parts companies, introduces high-end technical talents, realizes technological innovation, and builds a leading elevator industry in China. Our products include:passenger elevators,home elevators, sightseeing elevators, moving walks, escalators, car elevators, hospital elevators, shopping cart escalators and other types of electric and various elevator accessories, to provide you with choices. We always adhere to the height of the international elevator industry, introduce advanced equipment at home and abroad, strive to improve production efficiency and product quality, and only provide you with better and safer elevator products.

Our company strictly manages in accordance with the ISO9001:2015 quality system certification and quality assurance model, strictly controls product quality, carries out quality tracking of products, and conducts regular inspections to ensure that users can rest assured. Looking forward to the future, we will make unremitting efforts to dedicate quality-guaranteed products to customers; and serve the elevator industry in the spirit of sincerity, persistence and progress. Make elevators safer, cities better, and life more harmonious.

Three PHASE

Power Failure Emergency Rescue Device

Product description

The ARD(Automatic Rescue Device) is a device designed to provide emergency safety rescue when passengers are trapped due to power failure of the elevator. When the elevator is running normally, the device is in a detection standby state. When the power supply system fails during the normal operation of the elevator, The equipment will be automatically put into rescue work, using the original elevator control system to slowly run the elevator car to the leveling position to stop, open the car door and the hall door, so that the trapped people can quickly and safely leave the elevator.

High performance | Low power consumption | Easy installation | Seiko manufacturing

Product features

- Safe and reliable: Easy installation and convenient debugging.
- Three-phase power output: Suitable for each elevator brands.
- Intelligent and efficient: 24-hour online automatic monitoring of elevators,convenient to use.
- Fast response speed: When the power fails, the device quickly and automatically starts rescue.
- Automatic charging: It is not necessary to charge the battery, which can improve the battery life.
- Flexible setting of operating time: To meet long floor(blind)on-site emergency rescue time.
- Using 32-bit micro-processing chip control: Various signals are operated by software control equipment, with high accuracy.

FUJI Zhejiang Aoma Elevator Co.,Ltd

Product description

●Folding operation is fully automated

The monitoring and emergency rescue process of RBD is automatically completed under the control of microcomputer, without human intervention.

●Strong folding versatility

Using flexible interface solutions, it can be used with elevators of different brands and models. Even if your elevator is updated, we only need to make simple adjustments to match it. The button adjustment function adopts advanced online rewritable memory to store various parameters that need to be adjusted, making debugging simple, accurate, intuitive and reliable.

●Folded sine wave pulse width modulation

The three-phase inverter power supply system uses (SPWM) sine wave pulse width modulation (SPWM) for the power supply of the elevator engine, and uses the electric drive module as the power output, which makes the elevator emergency starting, running, and stopping more stable and comfortable, and the noise is lower.

●Folding self-check function

Through self-inspection, various parameters of previous operation and fault memory can be referred to, and the location of the fault can be known in time, which is convenient for fault diagnosis and maintenance.

●Folding interface is simple and convenient

A simple and applicable interface circuit is used to facilitate on-site installation and debugging; there are no special "online" and "offline" sockets. When it is suspected that the emergency device is malfunctioning and affects the normal operation of the elevator, there is no need to disconnect the wiring, and it can be artificially followed." The "online" status is changed to the "offline" status, and the emergency device is completely separated from the circuit control system.

Three-phase 380V power failure emergency rescue device

Parameter Table

Model		ARD-3P5.5E	ARD-3P7.5E	ARD-3P11E	ARD-3P15E	ARD-3P18.5E
Applicable elevator Frequency converter power		5.5KW	7.5KW	11KW	15KW	18.5KW
Mains input	Voltage	Three phase AC380V ± 10%				
	Frequency	50Hz/60Hz				
Inverter output	Inverter output voltage	Three phase AC380V ± 10%				
	Efficiency	≥0.85				
	Output frequency	50Hz/60Hz (Rated value 50Hz)				
	Waveform	Sine wave				
Battery	Type	Valve-controlled sealed lead-acid battery				
	Rescue time	3-15Min (adjustable)				
	Charging time	≤6Hours				
	Specifications	12V/7AH*3	12V/9AH*3	12V/7AH*4	12V/9AH*4	12V/9AH*4
Environment	Ambient temperature	0℃-45℃				
	Relative humidity	<90% (No dew)				
	Noise	≤45dB				
	Altitude	≤2000M				
Dimension (L*W*H) mm		402*305*160	402*305*160	402*305*160	402*305*160	402*305*160
Weight(kg) with battery		21	21	23	26	26

Note: Since the capacity of door machines, brakes, motors of various brands of elevators is not consistent with the power of other equipment, the actual selection of ARD models is subject to the actual power requirements on site.

FUJI Zhejiang Aoma Elevator Co.,Ltd

Three-phase 380V power failure emergency rescue device

Parameter Table

Model		ARD-3P22E	ARD-3P30E	ARD-3P37E	ARD-3P55E
Applicable elevator Frequency converter power		22KW	30KW	37KW	55KW
Mains input	Voltage	Three phase AC380V ± 10%			
	Frequency	50Hz/60Hz			
Inverter output	Inverter output voltage	Three phase AC380V ± 10%			
	Efficiency	≥0.85			
	Output frequency	50Hz/60Hz(Rated value 50Hz)			
	Waveform	Sine wave			
Battery	Type	Valve-controlled sealed lead-acid battery			
	Rescue time	3-15Min(adjustable)			
	Charging time	≤6Hours			
	Specifications	12V/7AH*6	12V/9AH*6	12V/9AH*6	12V/12AH*6
Environment	Ambient temperature	0℃-45℃			
	Relative humidity	<90% (No dew)			
	Noise	≤45dB			
	Altitude	≤2000M			
Dimension (L*W*H) mm		538*400*160	538*400*160	538*400*160	538*400*160
Weight(kg) with battery		45	47	47	57

Note: Since the capacity of door machines, brakes, motors of various brands of elevators is not consistent with the power of other equipment, the actual selection of ARD models is subject to the actual power requirements on site.

Three-phase 220V power failure emergency rescue device

Parameter Table

Model		ARD-3P5.5E	ARD-3P7.5E	ARD-3P11E	ARD-3P15E
Applicable elevator Frequency converter power		5.5KW	7.5KW	11KW	15KW
Mains input	Voltage	Three phase AC220V ± 10%			
	Frequency	50Hz/60Hz			
Inverter output	Inverter output voltage	Three phase AC220V ± 10%			
	Efficiency	≥0.85			
	Output frequency	50Hz/60Hz (Rated value 50Hz)			
	Waveform	Sine wave			
Battery	Type	Valve-controlled sealed lead-acid battery			
	Rescue time	3-15Min (adjustable)			
	Charging time	≤6Hours			
	Specifications	12V/7AH*3	12V/9AH*3	12V/7AH*4	12V/9AH*4
Environment	Ambient temperature	0℃-45℃			
	Relative humidity	<90% (No dew)			
	Noise	≤45dB			
	Altitude	≤2000M			
Dimension (L*W*H) mm		402*305*160	402*305*160	402*305*160	402*305*160
Weight(kg) with battery		21	22	26	27

Note: Since the capacity of door machines, brakes, motors of various brands of elevators is not consistent with the power of other equipment, the actual selection of ARD models is subject to the actual power requirements on site.

FUJI Zhejiang Aoma Elevator Co.,Ltd

Three-phase 220V power failure emergency rescue device

Parameter Table

Model		ARD-3P18.5E	ARD-3P22E	ARD-3P30E
Applicable elevator Frequency converter power		18.5KW	22KW	30KW
Mains input	Voltage	Three phase AC220V ± 10%		
	Frequency	50Hz/60Hz		
Inverter output	Inverter output voltage	Three phase AC220V ± 10%		
	Efficiency	≥0.85		
	Output frequency	50Hz/60Hz(Rated value 50Hz)		
	Waveform	Sine wave		
Battery	Type	Valve-controlled sealed lead-acid battery		
	Rescue time	3-15Min(adjustable)		
	Charging time	≤6Hours		
	Specifications	12V/7AH*6	12V/9AH*6	12V/12AH*6
Environment	Ambient temperature	0℃-45℃		
	Relative humidity	<90% (No dew)		
	Noise	≤45dB		
	Altitude	≤2000M		
Dimension (L*W*H) mm		538*400*160	538*400*160	538*400*160
Weight(kg) with battery		42	43	52

Note: Since the capacity of door machines, brakes, motors of various brands of elevators is not consistent with the power of other equipment, the actual selection of ARD models is subject to the actual power requirements on site.

Two PHASE

Power Failure Emergency Rescue Device

High performance | Low power consumption | Easy installation | Seiko manufacturing

Product description

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Product features

- Safe and reliable: Easy installation and convenient debugging.
- Three-phase power output: Suitable for each elevator brands.
- Intelligent and efficient: 24-hour online automatic monitoring of elevators,convenient to use.
- Fast response speed: When the power fails, the device quickly and automatically starts rescue.
- Automatic charging: It is not necessary to charge the battery, which can improve the battery life.
- Flexible setting of operating time: To meet long floor(blind)on-site emergency rescue time.
- Using 32-bit micro-processing chip control: Various signals are operated by software control equipment, with high accuracy.

FUJI Zhejiang Aoma Elevator Co.,Ltd

Product description

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The monitoring and emergency rescue process of RBD is automatically completed under the control of microcomputer, without human intervention.

●Strong folding versatility

Using flexible interface solutions, it can be used with elevators of different brands and models. Even if your elevator is updated, we only need to make simple adjustments to match it. The button adjustment function adopts advanced online rewritable memory to store various parameters that need to be adjusted, making debugging simple, accurate, intuitive and reliable.

●Folded sine wave pulse width modulation

The three-phase inverter power supply system uses (SPWM) sine wave pulse width modulation (SPWM) for the power supply of the elevator engine, and uses the electric drive module as the power output, which makes the elevator emergency starting, running, and stopping more stable and comfortable, and the noise is lower.

●Folding self-check function

Through self-inspection, various parameters of previous operation and fault memory can be referred to, and the location of the fault can be known in time, which is convenient for fault diagnosis and maintenance.

●Folding interface is simple and convenient

A simple and applicable interface circuit is used to facilitate on-site installation and debugging; there are no special "online" and "offline" sockets. When it is suspected that the emergency device is malfunctioning and affects the normal operation of the elevator, there is no need to disconnect the wiring, and it can be artificially followed." The "online" status is changed to the "offline" status, and the emergency device is completely separated from the circuit control system.

Two-phase 380V power failure emergency rescue device

Parameter Table

Model		ARD-2P3.7E	ARD-2P5.5E	ARD-2P7.5E	ARD-2P11E
Applicable elevator Frequency converter power		3.7KW	5.5KW	7.5KW	11KW
Mains input	Voltage	Three phase AC380V ± 10%			
	Frequency	50Hz/60Hz			
Inverter output	Inverter output voltage	Two phase AC380V ± 10%			
	Efficiency	≥0.85			
	Output frequency	50Hz/60Hz (Rated value 50Hz)			
	Waveform	Sine wave			
Battery	Type	Valve-controlled sealed lead-acid battery			
	Rescue time	3-15Min (adjustable)			
	Charging time	≤6Hours			
	Specifications	12V/7AH*2	12V/7AH*2	12V/9AH*3	12V/7AH*3
Environment	Ambient temperature	0℃-45℃			
	Relative humidity	<90% (No dew)			
	Noise	≤45dB			
	Altitude	≤2000M			
Dimension (L*W*H) mm		392*303*110	392*303*110	402*305*160	402*305*160
Weight(kg) with battery		16	17	20	21

Note: Since the capacity of door machines, brakes, motors of various brands of elevators is not consistent with the power of other equipment, the actual selection of ARD models is subject to the actual power requirements on site.

FUJI Zhejiang Aoma Elevator Co.,Ltd

Two-phase 380V power failure emergency rescue device

Parameter Table

Model		ARD-2P15E	ARD-2P18.5E	ARD-2P22E	ARD-2P30E
Applicable elevator Frequency converter power		15KW	18.5KW	22KW	30KW
Mains input	Voltage	Three phase AC380V ± 10%			
	Frequency	50Hz/60Hz			
Inverter output	Inverter output voltage	Two phase AC380V ± 10%			
	Efficiency	≥0.85			
	Output frequency	50Hz/60Hz(Rated value 50Hz)			
	Waveform	Sine wave			
Battery	Type	Valve-controlled sealed lead-acid battery			
	Rescue time	3-15Min(adjustable)			
	Charging time	≤6Hours			
	Specifications	12V/9AH*3	12V/7AH*4	12V/9AH*4	12V/12AH*4
Environment	Ambient temperature	0℃-45℃			
	Relative humidity	<90% (No dew)			
	Noise	≤45dB			
	Altitude	≤2000M			
Dimension (L*W*H) mm		402*305*160	402*305*160	402*305*160	468*400*160
Weight(kg) with battery		22	25	26	35

Note: Since the capacity of door machines, brakes, motors of various brands of elevators is not consistent with the power of other equipment, the actual selection of ARD models is subject to the actual power requirements on site.

Single-phase 220V power failure emergency rescue device

Parameter Table

Model		ARD-1P3.7E	ARD-1P5.5E	ARD-1P7.5E
Applicable elevator Frequency converter power		3.7KW	5.5KW	7.5KW
Mains input	Voltage	Single phase AC220V ± 10%		
	Frequency	50Hz/60Hz		
Inverter output	Inverter output voltage	Single phase AC220V ± 10%		
	Efficiency	≥0.85		
	Output frequency	50Hz/60Hz (Rated value 50Hz)		
	Waveform	Sine wave		
Battery	Type	Valve-controlled sealed lead-acid battery		
	Rescue time	3-15Min (adjustable)		
	Charging time	≤6Hours		
	Specifications	12V/9AH*2	12V/7AH*3	12V/9AH*3
Environment	Ambient temperature	0℃-45℃		
	Relative humidity	<90% (No dew)		
	Noise	≤45dB		
	Altitude	≤2000M		
Dimension (L*W*H) mm		392*303*110	392*303*110	402*305*160
Weight(kg) with battery		15	20	21

Note: Since the capacity of door machines, brakes, motors of various brands of elevators is not consistent with the power of other equipment, the actual selection of ARD models is subject to the actual power requirements on site.

FUJI Zhejiang Aoma Elevator Co.,Ltd

Single-phase 220V power failure emergency rescue device

Parameter Table

Model		ARD-1P11E	ARD-1P15E
Applicable elevator Frequency converter power		11KW	15KW
Mains input	Voltage	Single phase AC220V ± 10%	
	Frequency	50Hz/60Hz	
Inverter output	Inverter output voltage	Single phase AC220V ± 10%	
	Efficiency	≥0.85	
	Output frequency	50Hz/60Hz(Rated value 50Hz)	
	Waveform	Sine wave	
Battery	Type	Valve-controlled sealed lead-acid battery	
	Rescue time	3-15Min(adjustable)	
	Charging time	≤6Hours	
	Specifications	12V/7AH*4	12V/9AH*4
Environment	Ambient temperature	0℃-45℃	
	Relative humidity	<90% (No dew)	
	Noise	≤45dB	
	Altitude	≤2000M	
Dimension (L*W*H) mm		402*305*160	402*305*160
Weight(kg) with battery		21	24

Note: Since the capacity of door machines, brakes, motors of various brands of elevators is not consistent with the power of other equipment, the actual selection of ARD models is subject to the actual power requirements on site.

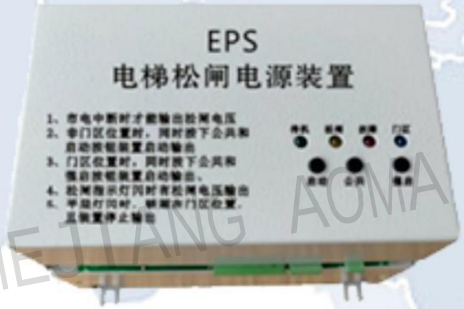
Electric Brake release device

Product description

Aoma-EPS is an electric brake release device developed for elevators due to power outages or failures. When the equipment detects that the door lock circuit is normal, just keep pressing the start button on the equipment to open the brake and make the elevator car reach the door. Area, and automatically stop running, and then release the trapped personnel through the professional opening the door.

Product features

1	The appearance is small and beautiful.
2	Installation is quick and easy.
3	The operation is simple, safe and reliable.
4	Automatic charging and maintenance-free storage battery.



High performance

Low power consumption

Easy installation

Seiko manufacturing

FUJI Zhejiang Aoma Elevator Co.,Ltd

Electric brake release power supply device

Parameter Table

Model	Aoma-EPS
Input power	AC220/AC110V 50Hz/60Hz
Charging time	≤4 Hours
Battery charging current	1.2A
Battery charging voltage	14.5V-15.5V
Brake voltage input	DC 110V
Output Power	450W (MAX)
Dimension L*W*H (mm)	190*130*125
Specification and quantity	12V / 7AH*1
Weight with battery	4.2kg

Note: Because the doors, brakes, and motor capacities of various brands of elevators are not consistent with the power of other equipment, the actual selection of ARD models is based on the actual power requirements of the elevators on site.

Electric Air conditioner

Product features

1	Professional water-free treatment design, strong cooling, low noise, low power consumption, stable performance, meeting the requirements of GB4706 32-1996, GB758-1995 and GB/T1005B-1977.
2	Non-drip design, multiple classification treatment of condensate, effectively preventing overflow.
3	Low noise, brand-name compressor, strong refrigeration, low noise, ultra-quiet car, low power consumption, stable performance.
4	Health and environmental protection, multi-layer anti-street purification device, effectively remove the oily air in the car: it has electrostatic pressure collection and sterilization. Anti-mildew, deodorization, fresh air and other functions.
5	High efficiency, energy saving and environmental protection, produced in strict accordance with the latest national industry standards, through the remote control receiver in the car, the HE cycle timing switch machine can be realized according to the customer's requirements, and the operation is simple and convenient.
6	The design of independent power supply, equipped with special accompanying cables from the machine room, does not interfere with the power consumption of the elevator system and the lighting system, and the well is equipped with a power failure protection function.
7	Automatic constant temperature, saving energy. It can minimize the loss of air-conditioning and air flow without leakage of refrigerant: strong air supply system design, uniform air supply, sufficient cooling capacity, and keep the car quiet and comfortable.
8	Exquisite design, simple installation, convenient cleaning and maintenance, will not affect the repair and maintenance of the elevator, suitable for all kinds of elevators. The unique arc-shaped tuyere design can make full use of the original tuyere on the top of the car to achieve perfect harmony.
9	Strong selectivity. Aiming at different car loads of different sizes and different car environments, the company has developed 1 HP single cooling type, 1.5 HP single cooling type, 1 HP heating and cooling type, and 1.5 HP heating and cooling air conditioners. Customers can Choose elevator air conditioners of different specifications and models according to their own car conditions.
10	After-sales service, perfect after-sales service guarantee, free warranty for one year, lifetime maintenance, professional engineering team to provide you with the most satisfactory service 24 hours, so that you have no worries.

Usage notice

1	The elevator air-conditioning switch is responsible for the special person.
2	Keep the elevator air conditioner installation and use environment clean, and clean the air conditioner filter regularly to ensure that the elevator air conditioner has good ventilation and cooling effects during operation.
3	After the elevator air conditioner is installed, it is strictly forbidden to move the fixed air conditioner at will The location and various network management positions to prevent the air-conditioning return and outlet from being blocked or blocked, resulting in a decrease in cooling capacity or condensation.
4	After the elevator air conditioner is abnormal in operation, please check whether it is an overhaul failure according to the items in the "Back Cover Common Failures". If there is an overhaul failure, please contact our after-sales service department in time.
5	Quality assurance description: Our company promises to maintain the whole machine free of charge for one year. Please fill in the warranty card carefully and send it back to the company's after-sales service department, otherwise you will not enjoy one-year free maintenance service.

FUJI Zhejiang Aoma Elevator Co.,Ltd

Electric air conditioner

Parameter Table

Model	Aoma-25/T Single cooling type (1P))	Aoma-25/DT Heating and cooling type (1P)	Aoma-35/T Single cooling type (1.5P)	Aoma-35/DT Heating and cooling type (1P)
Features	Fully automatic operation, remote control, cycle timing switch machine.			
Auxiliary function	Automatic constant temperature, change to fresh air.			
Refrigerant	R22/500g			
Operating Voltage (V)	220V(198~242) /50Hz			
Operating Current (A)	3.7	3.7	5	5
Cooling capacity (W)	2500	2500	3500	3500
Heating capacity (W)	/	2500	/	3500
Rated power (W)	840	840/1500	1300	1300/2150
Circulating air volume (m^3/h)	480	480	620	620
Noise dB(A)	Car≤42	Car≤45	Car≤48	Car≤49
	Hoistway≤52	Hoistway≤53	Hoistway≤55	Hoistway≤57
Type of protection against electric shock	I Type			
Waterproof level	IP×4			
Dimension L*W*H (mm)	530*450*350	530*450*350	570*450*370	570*450*370
Weight（kg）	30	32	34	35
Applicable elevator（kg）	500~1350	500~1350	1000~2000	1000~2000

Note: The above parameters are measured under the standard operating conditions specified in the international GB/T 7725-1996, and the cooling capacity and noise are measured before leaving the factory.

ML800-CBP power

Product Description

The brake power supply board is highly integrated, effectively replacing the traditional transformer, rectifier bridge, and ordinary power supply box, effectively solving the problems of product quality, cost, and transportation weight.

Product Features

●Small size and large capacity. Capacity: 550W.

●The output port voltage is adjustable, the brake voltage is DC 48V-220V, and the system power supply can be adjusted freely from 24V-26V.

Parameter Table

Input characteristics

Input voltage	198Vac to 253Vac
Frequency range	50Hz±5%
Max input ac current	5Amax at full load condition
Inrush current(cold	100A typical peak,220Vac
Efficiency(full load)	90%min at 220Vac
Touch Current	⩽ 0.25mA rms and 0.35mA peak at Vim ⩽240VAac

Output characteristics

Output channel	+24V	L+/L-	
Rated output voltage	+24V	110V	200V
Rated current	5.0A	6A(3S)	3A
		3.3A(3S)	2A
Peak current	6.5A	/	/

Terminal definition

	NO.	Pin Connection	Function
CN1	①	L	AC input L
	②	N	AC input N
	③	/	/
	④	PE	AC input PE
CN2	1	L+	Brake power output L+
	2	/	/
	3	L-	Brake power output L-
CN3	1	GND	+24VDC Ground
	2	+24V	+24VDC Output
CN5	1	GND	Ground
	2	110V	Short circuit cap short circuit 1, 2 brake output 110Vdc .
	3	200V	Short circuit cap short circuit 2, 3 brake output 200Vdc .
CN6	1	GND	Ground
	2	90%	The short-circuit cap short-circuits 1, 2 and maintains 90% voltage reduction.
	3	70%	The short-circuit cap short-circuits 2, 3 and maintains 70% voltage reduction.
S2	1	+25V	The short-circuit cap short-circuits 1, 2 to adjust the output voltage of the +24V port to +25Vdc.
	2		
S1	1	26V	The short-circuit cap short-circuits 1, 2 to adjust the output voltage of the +24V port to +26Vdc .
	2		