

EPS12 Emergency Power Supply

I. Product introduction:

This product is designed for home lifts and platform lifts. Passengers always trapped in elevator while city power off, it also troubles for maintenance man to do their job. So for assure the passenger's safety and timeliness that our technologist make endeavor to improve the technology and timely rescue.

II. Matters need attention when opening the case to check:

1. Check the outer package is perfect or not, even any damage.
2. The logo is same as your order or not.
3. Our products are all strictly with QC line before ship. If you find any problem please contact with our company and supplier.

III. Model , Sphere of application:

MODEL	Sphere of application
EPS1205L	AC 220V, BELOW 3.7KW INVERTER
EPS1205H	AC 380V, BELOW 3.7KW INVERTER

IV. Wire connection terminal function:

Terminal	Name	instruction
R	input terminal	R, S for single-phase power input
S		
L1	Emergency power /output terminal	L1, L2 for single-phase power output, in normal times power direct input, 5 seconds output delay while emergency power output
L2		
5	* Emergency power output terminal	5, 6 for single-phase power output, ≤ 0.25 seconds output delay when choosing emergency output
6		
7	output signal -1	Output signal -1 when emergency power operated
8		
9	output signal -2	Output signal -2 when emergency power operated
10		
11	input close signal	output emergency power stopped
12		

*5 and 6 terminals are not on the product, except the special needs of customs.

V. Characters of products:

Model		EPS1205L	EPS1205H
Motor capacity for elevator		Below 3.7KW	
rated operating mode		Operating direction is under indications of controller board,and the better is light loading direction	
input power	Number of phases	Sigle phase (R-S)	
	voltage	220V ± 10%	380V ± 10%
	frequency	50Hz / 60Hz	
emergency output	standard voltage	the same as city power voltage	
	Emergency voltage	AC 220V ± 5%	3800V ± 5%
	frequency	50Hz / 60Hz ± 5%	
	waveform	sine wave	
	wave distortion	THD ≅ 3% (0~100%linear load)	
	inversion efficiency	≅ 90%	
	Overload capacity	> 120% rated current , stop output after 5 seconds > 150% rated current or load short circuit , stop output after one seconds for current-limiting output	
battery	model	valve control lead storage battery with none maintaining	
	rotated voltage	DC 12V	
	Battery quantity	1 pcs (12V/12Ah)	
	Charging time	within 20 hours	
transform device		ATS (auto transform system)	
transit time		≅ 5seconds (special case ≅ 0.25 seconds)	
noise		No noise while city power output ; emergency output ≅ 45dB	
environment temperature		-10 °C ~40 °C	
environment humidity		0%~90% (no moisture condensation)	
high above sea level		below 2000 meters	
weight		12.5 Kg(include battery)	
Body dimension		330 x 165 x 155 mm	
Installation size		320 x 165 x 165 mm	

VI. The position of switch and voltage class:



VII. Explanation for basic operation :

1. Please accord to terminal indication for correct wire connection. SW1 must be turn off when we work for wire connecting.
2. When city power is in normal situation:
The power sigle phase input from R,S terminal , through L1,L2 terminal output. Emergency equipment does not start, EPS does not charge the battery and the lift can still operate normally when SW1 is turned off. Turn on SW1 if wanting to put emergency equipment system. At this time power indicator light on, battery is operating for charge, emergency power system is ready situation.
3. when city power-off:

Switch over the EPS supply after city power off 3-5s , the power will output for supply power to whole system through T1,T2, output 2 sections emergency operating signal by 7,8 and 9 ,10 terminal to controller that now is at emergency, it needs coordinate rescue indication and also adjust set under 8HZ for move to most near floor, after send a signal to EPS(11,12 terminal), close EPS power and switch over city power, if not sending to EPS(11,12 terminal), rescue finished.

VIII. Electrical diagrams:

