

# LIFT SAFETY SYSTEMS

ARD (HF model)



## APPLICABLE FIELD

Designed to back up power to the existing VVVF-controlled lift system of customers to bring the lift to the nearest floor and open the lift door during mains power failure.

## PRODUCT FEATURES

- Enhance passenger safety
- Powered by sealed lead acid maintenance free battery
- Reliable microprocessor control
- Sine wave technology
- Mostly used in commercial projects
- Light weight and compact
- Easy and time-efficient installation and maintenance



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ARD2248 MRL series can supply back up power to any kind of existing VVVF-controlled lift system with simple installation; it is powered by sealed lead acid maintenance free batteries.

## Technical Specifications:

<b>Model</b>	<b>2248F2-24-2L</b>	<b>2248F2-24-3L</b>
Nominal Battery / Input Voltage	DC 24V	DC 24V
Nominal Battery Current	DC 5 - 20A	DC 5 - 40A
Battery Capacity	7AH	12AH
Output	2 phases	2 phases
Output Power	< 1000VA	< 1500VA
Output Voltage	400Vac±5%	400Vac±5%
Output Frequency	50Hz±1%	50Hz±1%
Output Voltage Waveform	Sinusoidal Waveform	Sinusoidal Waveform
Output Motor Power	11KW and below	18.5KW and below
Recommended Motor Speed	<5Hz	<5Hz
<b>Battery Charger</b>		
Input Voltage	400Vac±5% (50Hz±1%)	
Charging Current	1.5A	
Boost Voltage	28.8V max	
Nominal Floating Voltage	27.5V	
Temperature Compensation	No	
<b>Safety Alarm</b>		
Battery Voltage Low	DC18.5V	
Over-Heat of Inverter	Fan cooled	
Over-load	>120% Rated Output Power 3 seconds	
Time Delay for Detecting Mains Power Failure	0 - 66 Seconds	
Self-test and Take-over Time	10 Seconds	
Starting Time for Output Power Limit	2 Seconds	
Emergency Mode Time-out	3.0 Mins	
Dimension (L x W x H) mm	269 x 151 x 469	269 x 162 x 469
Weight (kg)	Approx. 12.5 w/o battery	Approx. 15 w/o battery