



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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AD1024-24F

AD1048-24FS

## 24/48 VDC DIN-Rail Mounting Power Supply



AD1072-24F

AD1100-24F



AD1120-24F

AD1120-48F

### Input

- Input Voltage..... 100~240VAC/120~370VDC
- Input Frequency..... 47~63Hz
- Inrush Current..... 22A/115VAC  
(Cold Start) 44A/230VAC

### Output







- Hold-up time(Full load@230VAC).....20ms Min.
- Over Voltage Protection..... Auto Recovery
- Overload Protection..... Power Limited
- Short Circuit Protection..... Auto Recovery

### Note:

- Each output can supply up to maximum current, but total loading can not exceed rated output wattage.
- Line regulation is measured from low line to high line at rated load.
- Load regulation is measured from 20% to 100% of rated load at 230VAC input.
- Ripple & Noise is measured by using a 0.1uF/630V metalized capacitor & a 47uF electrolytic capacitor parallel on the test point, at rated load and 230VAC input.
- Efficiency is measured at rated load and 230VAC input.



# 24/48 VDC DIN-Rail Mounting Power Supply

Category	24 VDC DIN-Rail Power Supplies						48 VDC DIN-Rail Power Supplies
Model Name	AD1024-24F	AD1048-24FS	AD1072-24F	AD1100-24F	AD1120-24F	AD1120-48F	
Product							
Output Power	DC 24V 24W; Single output	DC 24V 48W; Single output	DC 24V 72W; Single output	DC 24V 100W; Single output	DC 24V 120W; Single output	DC 48V 120W; Single output	
Weight	150g	200g	530g	530g	600g	600g	
Input Voltage	100~240VAC / 120~370VDC						
Input Frequency	47~63Hz						
Inrush Current (Cold Start)	22A/115VAC, 44A/230VAC						
O/P Voltage Adjustment	+24VDC±10%						+48VDC±10%
Hold-up Time (Full load@230VAC)	20ms Min.						
O/P Current Min.	0A						
O/P Current Loading Rated	1A	2A	3A	4A	5A	2.5A	
O/P Current Max.	1A	2A	3A	4A	5A	2.5A	
Ripple Noise	150mVp-p						250mVp-p
Line Regulation	±1%						
Load Regulation	±1%						
Efficiency	83%		81%				82%
Over-Voltage Protection	40VDC Max		27~30VDC				52~56VDC
Dimensions (D x H x W mm)	75.5 x 96 x 45		121 x 110 x 56		121 x 110 x 75	121x110x75	
Certificate	CB/UL/CE						
MTBF	Exceed 100,000 hrs (11.42 years)			Exceed 60,000 hrs (6.85 years)			
Operation Temperature	-20°C~50°C						
Relative Humidity	5% ~ 95%RH						
Warranty	3 Years						
EMC Standards	EN55022 Class B, EN61000-3-2/3, EN55024 (IEC61000-4-2/3/4/5/6/8/11)						

## Ordering Information

### 24 VDC DIN-Rail Power Supplies

AD1024-24F	24W/1A DIN-Rail 24 VDC power supply with universal 100~240VAC/120~370VDC input
AD1048-24FS	48W/2A DIN-Rail 24 VDC power supply with universal 100~240VAC/120~370VDC input
AD1072-24F	72W/3A DIN-Rail 24 VDC power supply with universal 100~240VAC/120~370VDC input
AD1100-24F	100W/4A DIN-Rail 24 VDC power supply with universal 100~240VAC/120~370VDC input
AD1120-24F	120W/5A DIN-Rail 24 VDC power supply with universal 100~240VAC/120~370VDC input

### 48 VDC DIN-Rail Power Supplies

AD1120-48F	120W/2.5A DIN-Rail 48 VDC power supply with universal 100~240VAC/120~370VDC input
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