



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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