



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).....14ms 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.






SDR-75-24

SDR-240-48

SDR-480-48

24 VDC DIN-Rail Mounting Power Supply




Category	24 VDC DIN-Rail Power Supplies		
Model Name	AD1024-24F	AD1048-24FS	AD1072-24F
Product			
Output Power	DC 24V 24W; Single output	DC 24V 48W; Single output	DC 24V 72W; Single output
Weight	150g	200g	530g
Input Voltage	100~240VAC / 120~370VDC		
Input Frequency	47~63Hz		
Inrush Current (Cold Start)	22A/115VAC, 44A/230VAC		
O/P Voltage Adjustment	+24VDC±10%		
Hold-up Time (Full load@230VAC)	20ms Min.		
O/P Current Min.	0A		
O/P Current Loading Rated	1A	2A	3A
O/P Current Max.	1A	2A	3A
Ripple Noise	150mVp-p		
Line Regulation	±1%		
Load Regulation	±1%		
Efficiency	83%	81%	
Over-Voltage Protection	40VDC Max	27~30VDC	
Dimensions (D x H x W mm)	75.5 x 96 x 45	121 x 110 x 56	
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

24 VDC DIN-Rail Mounting Power Supply

Category	24 VDC DIN-Rail Power Supplies		
Model Name	AD1100-24F	AD1120-24F	SDR-75-24
Product			
Output Power	DC 24V 100W; Single output	DC 24V 120W; Single output	24VDC 75W; Single output
Weight	530g	600g	510g
Input Voltage	100~240VAC / 120~370VDC		88~264VAC / 124~370VDC
Input Frequency	47~63Hz		
Inrush Current (Cold Start)	22A/115VAC, 44A/230VAC		30A/115VAC, 50A/230VAC
O/P Voltage Adjustment	+24VDC±10%		24~28VDC
Hold-up Time (Full load@230VAC)	20ms Min.		80ms Min.
O/P Current Min.	0A		
O/P Current Loading Rated	4A	5A	3.2A
O/P Current Max.	4A	5A	3.2A
Ripple Noise	150mVp-p		100mVp-p
Line Regulation	±1%		±0.5%
Load Regulation	±1%		
Efficiency	81%		89%
Over-Voltage Protection	27~30VDC		29~33VDC
Dimensions (D x H x W mm)	121 x 110 x 56	121 x 110 x 75	32 x 125.2 x 102
Certificate	CB/UL/CE		
MTBF	Exceed 60,000 hrs (6.85 years)		Exceed 481,900 hrs (55.77 years)
Operation Temperature	-20°C~50°C		-30°C~+70°C
Relative Humidity	5% ~ 95%RH		20% ~ 95% RH no-condensing
Warranty	3 Years		
EMC Standards	EN55022 Class B, EN61000-3-2/3, EN55024 (IEC61000-4-2/3/4/5/6/8/11)		EN55022 (CISPR22). EN61204-3 Class B, EN61000-3-2/3, EN55024 (EN61000-4-2,3,4,5,6,8,11), EN61000-6-2 (EN50082-2), EN61204-3, heavy industry level, criteria A, SEMI F47 approved
Ordering Information			
24 VDC DIN-Rail Power Supplies			
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		
SDR-75-24	75W/3.2A DIN-Rail 24 VDC power supply with universal 88~264VAC/124~370VDC input		

48 VDC DIN-Rail Mounting Power Supply

Category	48 VDC DIN-Rail Power Supplies		
Model Name	AD1120-48F	SDR-240-48	SDR-480-48
Product			
Output Power	DC 48V 120W; Single output	48VDC 240W; Dual output	48VDC 480W; Dual output
Weight	600g	1003g	1600g
Input Voltage	100~240VAC / 120~370VDC	88~264VAC / 124~370VDC	90~264VAC / 127~370VDC
Input Frequency	47~63Hz		
Inrush Current (Cold Start)	22A/115VAC, 44A/230VAC	33A/115VAC, 65A/230VAC	40A/115VAC, 80A/230VAC
O/P Voltage Adjustment	+48VDC±10%	48~55VDC	
Hold-up Time (Full load@230VAC)	20ms Min.	20ms Min.	14ms Min.
O/P Current Min.	0A		
O/P Current Loading Rated	2.5A	5A	10A
O/P Current Max.	2.5A	5A	10A
Ripple Noise	250mVp-p	120mVp-p	
Line Regulation	±1%	±0.5%	
Load Regulation	±1%	±1%	
Efficiency	82%	94%	
Over-Voltage Protection	52~56VDC	56~65VDC	
Dimensions (D x H x W mm)	121x110x75	63 x 125.2 x 113.5	85.5 x 125.2 x 128.5
Certificate	CB/UL/CE	UL508/TUV EN60950-1/CE	
MTBF	Exceed 60,000 hrs (6.85 years)	Exceed 169,300 hrs (19.59 years)	Exceed 112,900 hrs (13.06 years)
Operation Temperature	-20°C~50°C	-25°C~+70°C	
Relative Humidity	5% ~ 95%RH	20% ~ 95% RH no-condensing	
Warranty	3 Years	3 Years	
EMC Standards	EN55022 Class B, EN61000-3-2/3, EN55024 (IEC61000-4-2/3/4/5/6/8/11)	EN55022 (CISPR22) Class B, EN61000-3-2/-3, EN61000-4-2,3,4,5,6,8,11, ENV50204, EN55024, EN61000-6-2 (EN50082-2), EN61204-3, heavy industry level, criteria A, SEMI F47, GL approved	EN55011, EN55022 (CISPR22), EN61204-3 Class B, EN61000-3-2/-3, EN61000-4-2,3,4,5,6,8,11, EN55024, EN61000-6-2 (EN50082-2), EN61204-3, heavy industry level, criteria A, SEMI F47, GL approved

Ordering Information

48 VDC DIN-Rail Power Supplies

AD1120-48F	120W/2.5A DIN-Rail 48 VDC power supply with universal 100~240VAC/120~370VDC input
SDR-480-48	480W/10A DIN-Rail 24 VDC power supply with universal 90~264VAC/127~370VDC input
SDR-240-48	240W/5A DIN-Rail 48 VDC power supply with universal 88~264VAC/124~370VDC input

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