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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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Industrial Power Supply



AD1024-24F

AD1048-24FS

24/48 VDC DIN-Rail Mounting Power Supply



AD1072-24F

AD1100-24F



AD1120-24F

AD1120-48F



SDR-75-24

SDR-240-48

SDR-480-48

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.

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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