

# DIN-Rail 24VDC Industrial Power Supplies

## DR-30-24 30W/1.5A DIN-Rail 24VDC Industrial Power Supply



### Output

#### DC Voltage:

- 24VDC

#### Current Range:

- 0~1.5A

#### Rated Power:

- 36W

### Input

#### DC Voltage:

- 85~264VAC (47~63Hz) or 120~370VDC

#### Inrush Current:

- 15A/115VAC or 30A/230VAC

### Protection

#### Over Voltage Protection:

- 27.6~32.4V

#### Overload Protection:

- 105~160% rated output power

#### Protection Type:

- Constant current limiting, recovers automatically

### Mechanical

#### Dimensions:

- 78mm (W) x 56mm (D) x 93mm (H)  
(3.17" (W) x 2.2" (D) x 3.66" (H))

#### Weight:

- 0.27Kg

### Environment

#### Operating Temperature:

- -20°C to 60°C (-4°F to 140°F)

#### Storage Temperature:

- -40°C to 85°C (-40°F to 185°F)

#### Working Humidity:

- 20% to 90% non-condensing

#### Storage Humidity:

- 10% to 95% non-condensing

### Regulatory Approvals

#### Safety:

- UL60950-1, TUV EN60950-1 approved, design refer to EN50178

#### EMI Conduction & Radiation:

- EN55011, EN55022 (CISPR22) Class B

#### EMS Immunity:

- EN61000-4-2, 3, 4, 5, 6, 8, 11, ENV50204, EN55024, EN61000-6-2 (EN50082-2), EN61204-3 heavy industrial level, criteria A

## DR-60-24 60W/2.5A DIN-Rail 24VDC Industrial Power Supply



### Output

#### DC Voltage:

- 24VDC

#### Current Range:

- 0~2.5A

#### Rated Power:

- 60W

### Input

#### DC Voltage:

- 88~264VAC (47~63Hz) or 120~370VDC

#### Inrush Current:

- 18A/115VAC or 36A/230VAC

### Protection

#### Over Voltage Protection:

- 27.6~32.4V

#### Overload Protection:

- 105~160% rated output power

#### Protection Type:

- Constant current limiting, recovers automatically

### Mechanical

#### Dimensions:

- 78mm (W) x 56mm (D) x 93mm (H)  
(3.17" (W) x 2.2" (D) x 3.66" (H))

#### Weight:

- 0.3Kg

### Environment

#### Operating Temperature:

- -20°C to 60°C (-4°F to 140°F)

#### Storage Temperature:

- -40°C to 85°C (-40°F to 185°F)

#### Working Humidity:

- 20% to 90% non-condensing

#### Storage Humidity:

- 10% to 95% non-condensing

### Regulatory Approvals

#### Safety:

- UL60950-1, TUV EN60950-1 approved, design refer to EN50178

#### EMI Conduction & Radiation:

- EN55011, EN55022 (CISPR22) Class B

#### EMS Immunity:

- EN61000-4-2, 3, 4, 5, 6, 8, 11, ENV50204, EN55024, EN61000-6-2 (EN50082-2), EN61204-3 heavy industrial level, criteria A

## DR-75-24 75W/3.2A DIN-Rail 24VDC Industrial Power Supply



### Output

#### DC Voltage:

- 24VDC

#### Current Range:

- 0~3.2A

#### Rated Power:

- 76.8W

### Input

#### Voltage Range:

- 85~264VAC (47~63Hz) or 120~370VDC

#### Inrush Current:

- 20A/115VAC or 40A/230VAC

### Protection

#### Over Voltage Protection:

- 29~34V

#### Overload Protection:

- 105~150% rated output power

#### Protection Type:

- Constant current limiting, recovers automatically

### Mechanical

#### Dimensions:

- 55.5mm (W) x 100mm (D) x 125.2mm (H)  
(2.19" (W) x 3.94" (D) x 4.93" (H))

#### Weight:

- 0.6Kg

### Environment

#### Operating Temperature:

- -10°C to 60°C (-14°F to 140°F)

#### Storage Temperature:

- -20°C to 85°C (-4°F to 185°F)

#### Working Humidity:

- 20% to 90% non-condensing

#### Storage Humidity:

- 10% to 95% non-condensing

### Regulatory Approvals

#### Safety:

- UL508, TUV EN60950-1 approved

#### EMI Conduction & Radiation:

- EN55011, EN55022 (CISPR22) Class B

#### EMS Immunity:

- EN61000-4-2, 3, 4, 5, 6, 8, 11, ENV50204, EN55024, EN61000-6-2 (EN50082-2) heavy industrial level, criteria A

## DR-120-24 120W/5A DIN-Rail 24VDC Industrial Power Supply



### Output

#### DC Voltage:

- 24VDC

#### Current Range:

- 0~5A

#### Rated Power:

- 120W

### Input

#### Voltage Range:

- 88~132VAC / 176~264VAC (47~63Hz) by switch, or 248~370VDC

#### Inrush Current:

- 20A/115VAC or 40A/230VAC

### Protection

#### Over Voltage Protection:

- 29~33V

#### Overload Protection:

- 105~150% rated output power

#### Protection Type:

- Constant current limiting, recovers automatically

### Mechanical

#### Dimensions:

- 65.5mm (W) x 100mm (D) x 125.2mm (H)  
(2.58" (W) x 3.94" (D) x 4.93" (H))

#### Weight:

- 0.79Kg

### Environment

#### Operating Temperature:

- -10°C to 60°C (-14°F to 140°F)

#### Storage Temperature:

- -20°C to 85°C (-4°F to 185°F)

#### Working Humidity:

- 20% to 90% non-condensing

#### Storage Humidity:

- 10% to 95% non-condensing

### Regulatory Approvals

#### Safety:

- UL508, UL60950-1, TUV EN60950-1 approved

#### EMI Conduction & Radiation:

- EN55011, EN55022 (CISPR22) Class B

#### EMS Immunity:

- EN61000-4-2, 3, 4, 5, 6, 8, 11, ENV50204, EN55024, EN61000-6-2 (EN50082-2) heavy industrial level, criteria A

# DIN-Rail 48VDC Industrial Power Supplies

## DR-75-48 75W/1.6A DIN-Rail 48VDC Industrial Power Supply



### Output

#### DC Voltage:

- 48VDC

#### Current Range:

- 0~1.6A

#### Rated Power:

- 76.8W

### Input

#### Voltage Range:

- 85~264VAC (47~63Hz) or 120~370VDC

#### Inrush Current:

- 20A/115VAC or 40A/230VAC

### Protection

#### Over Voltage Protection:

- 58~65V

#### Overload Protection:

- 105~150% rated output power

#### Protection Type:

- Constant current limiting, recovers automatically

### Mechanical

#### Dimensions:

- 55.5mm (W) x 100mm (D) x 125.2mm (H)  
(2.19" (W) x 3.94" (D) x 4.93" (H))

#### Weight:

- 0.6Kg

### Environment

#### Operating Temperature:

- -10°C to 60°C (-14°F to 140°F)

#### Storage Temperature:

- -20°C to 85°C (-4°F to 185°F)

#### Working Humidity:

- 20% to 90% non-condensing

#### Storage Humidity:

- 10% to 95% non-condensing

### Regulatory Approvals

#### Safety:

- UL508, TUV EN60950-1 approved

#### EMI Conduction & Radiation:

- EN55011, EN55022 (CISPR22) Class B

#### EMS Immunity:

- EN61000-4-2, 3, 4, 5, 6, 8, 11, ENV50204, EN55024, EN61000-6-2 (EN50082-2) heavy industrial level, criteria A

## DR-120-48 120W/2.5A DIN-Rail 48VDC Industrial Power Supply



### Output

#### DC Voltage:

- 48VDC

#### Current Range:

- 0~2.5A

#### Rated Power:

- 120W

### Input

#### DC Voltage:

- 88~132VAC / 176~264VAC (47~63Hz) by switch, or 248~370VDC

#### Inrush Current:

- 20A/115VAC or 40A/230VAC

### Protection

#### Over Voltage Protection:

- 58~65V

#### Overload Protection:

- 105~150% rated output power

#### Protection Type:

- Constant current limiting, recovers automatically

### Mechanical

#### Dimensions:

- 65.5mm (W) x 100mm (D) x 125.2mm (H)  
(2.58" (W) x 3.94" (D) x 4.93" (H))

#### Weight:

- 0.79Kg

### Environment

#### Operating Temperature:

- -10°C to 60°C (-14°F to 140°F)

#### Storage Temperature:

- -20°C to 85°C (-4°F to 185°F)

#### Working Humidity:

- 20% to 90% non-condensing

#### Storage Humidity:

- 10% to 95% non-condensing

### Regulatory Approvals

#### Safety:

- UL508, UL60950-1, TUV EN60950-1 approved

#### EMI Conduction & Radiation:

- EN55011, EN55022 (CISPR22) Class B

#### EMS Immunity:

- EN61000-4-2, 3, 4, 5, 6, 8, 11, ENV50204, EN55024, EN61000-6-2 (EN50082-2) heavy industrial level, criteria A

## SDR-240-48 240W/5A DIN-Rail 48VDC Industrial Power Supply



### Output

#### DC Voltage:

- 48VDC

#### Current Range:

- 0~5A

#### Rated Power:

- 240W

### Input

#### Voltage Range:

- 88~264VAC (47~63Hz) or 124~370VDC

#### Inrush Current:

- 33A/115VAC or 65A/230VAC

### Protection

#### Over Voltage Protection:

- 56~65V

#### Overload Protection:

- 110~150% rated output power

#### Protection Type:

- Constant current limiting, recovers automatically

### Mechanical

#### Dimensions:

- 63mm (W) x 113.5mm (D) x 125.2mm (H)  
(2.48" (W) x 4.46" (D) x 4.93" (H))

#### Weight:

- 1.03Kg

### Environment

#### Operating Temperature:

- -25°C to 70°C (-13°F to 158°F)

#### Storage Temperature:

- -20°C to 85°C (-4°F to 185°F)

#### Working Humidity:

- 20% to 95% non-condensing

#### Storage Humidity:

- 10% to 95% non-condensing

### Regulatory Approvals

#### Safety:

- UL508, TUV EN60950-1 approved

#### EMI Conduction & Radiation:

- EN55022 (CISPR22) Class B

#### EMS Immunity:

- EN61000-4-2, 3, 4, 5, 6, 8, 11, ENV50204, EN55024, EN61000-6-2 (EN50082-2) heavy industrial level, criteria A

## SDR-480-48 480W/10A DIN-Rail 48VDC Industrial Power Supply



### Output

#### DC Voltage:

- 48VDC

#### Current Range:

- 0~10A

#### Rated Power:

- 480W

### Input

#### DC Voltage:

- 88~264VAC (47~63Hz) or 124~370VDC

#### Inrush Current:

- 33A/115VAC or 65A/230VAC

### Protection

#### Over Voltage Protection:

- 56~65V

#### Overload Protection:

- 110~150% rated output power

#### Protection Type:

- Constant current limiting, recovers automatically

### Mechanical

#### Dimensions:

- 85mm (W) x 124mm (D) x 125.2mm (H)  
(3.34" (W) x 4.88" (D) x 4.93" (H))

#### Weight:

- 1.03Kg

### Environment

#### Operating Temperature:

- -25°C to 70°C (-13°F to 158°F)

#### Storage Temperature:

- -20°C to 85°C (-4°F to 185°F)

#### Working Humidity:

- 20% to 95% non-condensing

#### Storage Humidity:

- 10% to 95% non-condensing

### Regulatory Approvals

#### Safety:

- UL508, UL60950-1, TUV EN60950-1 approved

#### EMI Conduction & Radiation:

- EN55022 (CISPR22) Class B

#### EMS Immunity:

- EN61000-4-2, 3, 4, 5, 6, 8, 11, ENV50204, EN55024, EN61000-6-2 (EN50082-2) heavy industrial level, criteria A

# 12VDC Hardened Power Adapters

The following power adaptors can be used with EX96000, EX95000, EX94000, EX93000, EX73000, EX72000, EX61000, EX43000, EX42000, EX35000, EL9000, EL9020, EL900, ED3141, ED3171 series.

## 41-136041 36W/3A 12VDC Hardened Power Adapter



Output Rating: 36W, 12VDC, 0~3A  
Input Rating: 90~264VAC (47~63Hz)  
Casing: Plastic case  
Operating Temperature: -40°C to 75°C (-40°F to 167°F)  
Complies with NEMA TS1 & TS2 Environmental requirements for Traffic control equipment  
Output Connector: DC Jack with latch

## 41-136041-1



Output Rating: 36W, 12VDC, 0~3A  
Casing: Plastic case  
Input Rating: 90~264VAC (47~63Hz)  
Operating Temperature: -40°C to 75°C (-40°F to 167°F)  
Complies with NEMA TS1 & TS2 Environmental requirements for Traffic control equipment  
Output Connector: DC Jack with latch

## 41-136041-2



Output Rating: 36W, 12VDC, 0~3A  
Casing: Plastic case  
Input Rating: 90~264VAC (47~63Hz)  
Operating Temperature: -40°C to 75°C (-40°F to 167°F)  
Complies with NEMA TS1 & TS2 Environmental requirements for Traffic control equipment  
Output Connector: DC Jack with latch

## 41-136041-3



Output Rating: 36W, 12VDC, 0~3A  
Casing: Plastic case  
Input Rating: 90~264VAC (47~63Hz)  
Operating Temperature: -40°C to 75°C (-40°F to 167°F)  
Complies with NEMA TS1 & TS2 Environmental requirements for Traffic control equipment  
Output Connector: DC Jack with latch

## 41-136041-4



Output Rating: 36W, 12VDC, 0~3A  
Casing: Plastic case  
Input Rating: 90~264VAC (47~63Hz)  
Operating Temperature: -40°C to 75°C (-40°F to 167°F)  
Complies with NEMA TS1 & TS2 Environmental requirements for Traffic control equipment  
Output Connector: DC Jack with latch

## 41-136041-5



Output Rating: 36W, 12VDC, 0~3A  
Casing: Plastic case  
Input Rating: 90~264VAC (47~63Hz)  
Operating Temperature: -40°C to 75°C (-40°F to 167°F)  
Complies with NEMA TS1 & TS2 Environmental requirements for Traffic control equipment  
Output Connector: DC Jack with latch

The following power adaptors can be used with EX96000, EX95000, EX94000, EX93000, EX73000, EX72000, EX61000, EX43000, EX35000, EL9000, EL9020, EL900, ED3141, ED3171 series.

#### 41-136044 36W/3A 12VDC Hardened Power Adapter



Output Rating: 36W, 12VDC, 0~3A  
Input Rating: 90~264VAC (47~63Hz)  
Casing: Aluminum case  
Operating Temperature: -40°C to 75°C (-40°F to 167°F)  
Complies with NEMA TS1 & TS2 Environmental requirements for Traffic control equipment  
Output Connector: DC Jack with latch

#### 41-136044-1



Output Rating: 36W, 12VDC, 0~3A  
Casing: Aluminum case  
Input Rating: 90~264VAC (47~63Hz)  
Operating Temperature: -40°C to 75°C (-40°F to 167°F)  
Complies with NEMA TS1 & TS2 Environmental requirements for Traffic control equipment  
Output Connector: DC Jack with latch

#### 41-136044-2



Output Rating: 36W, 12VDC, 0~3A  
Casing: Aluminum case  
Input Rating: 90~264VAC (47~63Hz)  
Operating Temperature: -40°C to 75°C (-40°F to 167°F)  
Complies with NEMA TS1 & TS2 Environmental requirements for Traffic control equipment  
Output Connector: DC Jack with latch

#### 41-136044-3



Output Rating: 36W, 12VDC, 0~3A  
Casing: Aluminum case  
Input Rating: 90~264VAC (47~63Hz)  
Operating Temperature: -40°C to 75°C (-40°F to 167°F)  
Complies with NEMA TS1 & TS2 Environmental requirements for Traffic control equipment  
Output Connector: DC Jack with latch

#### 41-136044-4



Output Rating: 36W, 12VDC, 0~3A  
Casing: Aluminum case  
Input Rating: 90~264VAC (47~63Hz)  
Operating Temperature: -40°C to 75°C (-40°F to 167°F)  
Complies with NEMA TS1 & TS2 Environmental requirements for Traffic control equipment  
Output Connector: DC Jack with latch

#### 41-136044-5



Output Rating: 36W, 12VDC, 0~3A  
Casing: Aluminum case  
Input Rating: 90~264VAC (47~63Hz)  
Operating Temperature: -40°C to 75°C (-40°F to 167°F)  
Complies with NEMA TS1 & TS2 Environmental requirements for Traffic control equipment  
Output Connector: DC Jack with latch

# 12VDC Hardened Power Adapters

The following power adaptors can be used with EX96000, EX95000, EX94000, EX93000, EX73000, EX72000, EX61000, EX43000, EX42000, EX35000, EL9000, EL9020, EL900, ED3141, ED3171 series.

## 41-136046 36W/3A 12VDC Hardened Power Adapter



Output Rating: 36W, 12VDC, 0~3A  
Input Rating: 90~264VAC (47~63Hz)  
Casing: Aluminum case  
Operating Temperature: -40°C to 75°C (-40°F to 167°F)  
Complies with NEMA TS1 & TS2 Environmental requirements for Traffic control equipment  
Output Connector: Open Wire for Terminal Block

## 41-136046-1



Output Rating: 36W, 12VDC, 0~3A  
Casing: Aluminum case  
Input Rating: 90~264VAC (47~63Hz)  
Operating Temperature: -40°C to 75°C (-40°F to 167°F)  
Complies with NEMA TS1 & TS2 Environmental requirements for Traffic control equipment  
Output Connector: Open Wire for Terminal Block

## 41-136046-2



Output Rating: 36W, 12VDC, 0~3A  
Casing: Aluminum case  
Input Rating: 90~264VAC (47~63Hz)  
Operating Temperature: -40°C to 75°C (-40°F to 167°F)  
Complies with NEMA TS1 & TS2 Environmental requirements for Traffic control equipment  
Output Connector: Open Wire for Terminal Block

## 41-136046-3



Output Rating: 36W, 12VDC, 0~3A  
Casing: Aluminum case  
Input Rating: 90~264VAC (47~63Hz)  
Operating Temperature: -40°C to 75°C (-40°F to 167°F)  
Complies with NEMA TS1 & TS2 Environmental requirements for Traffic control equipment  
Output Connector: Open Wire for Terminal Block

## 41-136046-4



Output Rating: 36W, 12VDC, 0~3A  
Casing: Aluminum case  
Input Rating: 90~264VAC (47~63Hz)  
Operating Temperature: -40°C to 75°C (-40°F to 167°F)  
Complies with NEMA TS1 & TS2 Environmental requirements for Traffic control equipment  
Output Connector: Open Wire for Terminal Block

## 41-136046-5



Output Rating: 36W, 12VDC, 0~3A  
Casing: Aluminum case  
Input Rating: 90~264VAC (47~63Hz)  
Operating Temperature: -40°C to 75°C (-40°F to 167°F)  
Complies with NEMA TS1 & TS2 Environmental requirements for Traffic control equipment  
Output Connector: Open Wire for Terminal Block

# 48VDC Power Adapters

The following power adaptors can be used with EX46000, EX45000, EX34000 series.

## AS-120P-48 120W/2.5A 48VDC Power Adapter



Output Rating: 120W, 48VDC, 0~2.5A  
Input Rating: 90~264VAC (47~63Hz)  
Casing: Plastic case  
Operating Temperature: 0°C to 50°C  
Output Connector: DC Jack with latch

## AS-120P-48-1



Output Rating: 120W, 48VDC, 0~2.5A  
Casing: Plastic case  
Input Rating: 90~264VAC (47~63Hz)  
Operating Temperature: 0°C to 50°C  
Output Connector: DC Jack with latch

## AS-120P-48-2



Output Rating: 120W, 48VDC, 0~2.5A  
Casing: Plastic case  
Input Rating: 90~264VAC (47~63Hz)  
Operating Temperature: 0°C to 50°C  
Output Connector: DC Jack with latch

## AS-120P-48-3



Output Rating: 120W, 48VDC, 0~2.5A  
Casing: Plastic case  
Input Rating: 90~264VAC (47~63Hz)  
Operating Temperature: 0°C to 50°C  
Output Connector: DC Jack with latch

## AS-120P-48-4



Output Rating: 120W, 48VDC, 0~2.5A  
Casing: Plastic case  
Input Rating: 90~264VAC (47~63Hz)  
Operating Temperature: 0°C to 50°C  
Output Connector: DC Jack with latch

## AS-120P-48-5



Output Rating: 120W, 48VDC, 0~2.5A  
Casing: Plastic case  
Input Rating: 90~264VAC (47~63Hz)  
Operating Temperature: 0°C to 50°C  
Output Connector: DC Jack with latch