

DC Single Output Industrial DIN-rail Power Supply Units



Compact Size with more Practicability and Convenience

PLANET has released a series of DC single output industrial DIN-rail power supply units to make sure that industrial Ethernet devices, specially designed for the harsh working environment, get DC voltage power easily.

PLANET DC single output industrial DIN rail power supply units accept universal 100-240V AC input voltage and provide 48V DC power output with various watt values. Its power supply units are designed in compact size and can be installed on DIN rail TS-35 / 7.5 or 15. It is an ideal and convenient DC power feeding solution for Industrial equipment under heavy Industrial environments.

Stable Performance under Difficult Environments

PLANET DC single output industrial DIN-rail power supply units come with such protection features as short circuit, overload, over voltage and over temperature for the stable operation of industrial Ethernet equipment. It uses the free air convection cooling system to prevent operating temperature from rising. Being able to operate under the temperature range from -40 to 70 degrees C (maximum), the DC single output industrial DIN-rail power supply units can be placed in almost any difficult environments.

PWR-75-48 (MEAN WELL -- XDR-75E-48)

- Universal AC input for full operation
- ITE 62368-1, Industrial 61558-1/-2-16, 61010 certificates
- Built-in constant current limiting circuit
- Protection features: short circuit, overload, over voltage and over temperature
- Cooling by free air convection
- Operating altitude up to 5000 meters
- Built-in DC OK Relay contact
- DIN rail TS-35/7.5 or 15 installation

PWR-120-48 (MEAN WELL -- XDR-120E-48)

- Universal AC input for full operation
- ITE 62368-1, Industrial 61558-1/-2-16, 61010 certificates
- Built-in constant current limiting circuit
- Protection features: short circuit, overload, over voltage and over temperature
- Cooling by free air convection
- Operating altitude up to 5000 meters
- Built-in DC OK Relay contact
- DIN rail TS-35/7.5 or 15 installation

PWR-240-48 (MEAN WELL -- XDR-240E-48)

- Universal AC input for full operation
- ITE 62368-1, Industrial 61558-1/-2-16, 61010 certificates
- Built-in constant current limiting circuit
- Protection features: short circuit, overload, over voltage and over temperature
- Cooling by free air convection
- Operating altitude up to 5000 meters
- Built-in DC OK Relay contact
- DIN rail TS-35/7.5 or 15 installation

Applications

Ideal 48V DC Power Feeding Solution for PoE Industrial Equipment

The following DC single output industrial DIN-rail power supply units provide sufficient 48V power to industrial PoE equipment, such as industrial PoE Ethernet switches and industrial PoE wireless access points. The model names and specifications are:

■ **PWR-75-48 (MEAN WELL -- XDR-75E-48):**

75W 48V DC Single Output Industrial DIN-rail Power Supply (-40 ~ 70 degrees C)

■ **PWR-120-48 (MEAN WELL -- XDR-120E-48):**

120W 48V DC Single Output Industrial DIN-rail Power Supply (-40 ~ 70 degrees C)

■ **PWR-240-48 (MEAN WELL -- XDR-240E-48):**

240W 48V DC Single Output Industrial DIN-rail Power Supply (-40 ~ 70 degrees C)

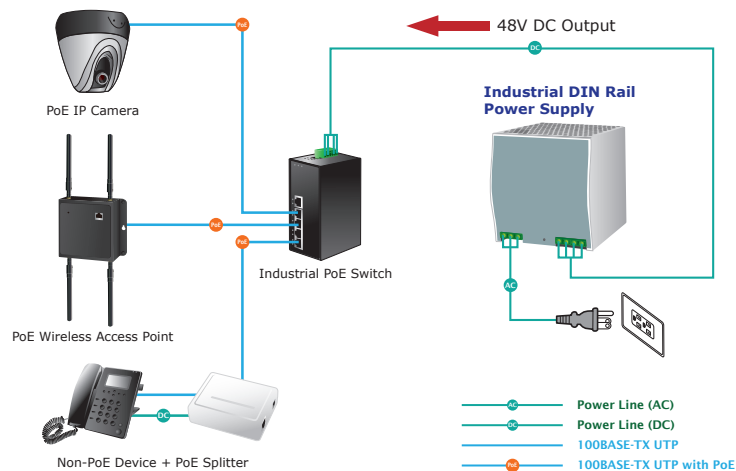
■ **PWR-480-48 (MEAN WELL -- XDR-480E-48):**

480W 48V DC Single Output Industrial DIN-rail Power Supply (-40 ~ 70 degrees C)

■ **PWR-960-48 (MEAN WELL -- XDR-960E-48):**

960W 48V DC Single Output Industrial DIN-rail Power Supply (-40 ~ 70 degrees C)

Control level



PWR-480-48 (MEAN WELL -- XDR-480E-48)

- Universal AC input full operation
- ITE 62368-1, Industrial 61558-1/-2-16, 61010 certificates
- Built-in constant current limiting circuit
- Protection features: short circuit, overload, over voltage and over temperature
- Cooling by free air convection
- Operating altitude up to 5000 meters
- Built-in DC OK Relay contact
- DIN rail TS-35/7.5 or 15 installation

PWR-960-48 (MEAN WELL -- XDR-960E-48)

- Universal AC input full operation
- Built-in active PFC function
- ITE 62368-1, Industrial 61558-1/-2-16, 61010 certificates
- Protection features: short circuit, overload, over voltage and over temperature
- Cooling by free air convection
- Operating altitude up to 5000 meters
- Built-in DC OK Relay contact
- DIN rail TS-35/7.5 or 15 installation

Specifications

| | |
|--------------------------------|---|
| Model | PWR-75-48 (MEAN WELL -- XDR-75E-48) |
| Hardware Specifications | |
| Hardware Version | 2 |
| Dimensions (W x H x D) | 30 x 125 x 116 mm |
| Weight | 400g |
| Input Voltage | 85 ~ 264VAC, 50/60Hz 127 ~ 370VDC [DC input operation possible by connecting AC/L(+), AC/N(-)] |
| Power Output | 75 watts, 48V, 1.6A |
| Temperature | Operating: -40~70 degrees C (**) Storage: -40~85 degrees C |
| Humidity | Operating: 20 ~ 95% (non-condensing) Storage: 10 ~ 95% (non-condensing) |
| Installation | DIN rail TS-35/7.5 or 15 |
| Safety & Function | UL61010; BS EN/EN62368-1, BS EN/EN61558-1/-2-16, / ; CB IEC62368-1, IEC61558-1, ; TUV BS EN EN61010 IEC61010 RCM AS/NZS 61558-1/-2-16; BSMI CNS1 -1; CCC GB4943.1 EAC TPTC004 approved; KC KC62368-1 BIS IS13252 (Part 1):2010 certified |

The specification is for PWR-75-48 hardware version 2 only.

** Please refer to output load derating curve from product specification.

| | |
|--------------------------------|---|
| Model | PWR-120-48 (MEAN WELL -- XDR-120E-48) |
| Hardware Specifications | |
| Hardware Version | 3 |
| Dimensions (W x H x D) | 30 x 125 x 116 mm |
| Weight | 420g |
| Input Voltage | 85 ~ 264VAC, 50/60Hz 127 ~ 370VDC [DC input operation possible by connecting AC/L(+), AC/N(-)] |
| Power Output | 120 watts, 48V, 2.5A |
| Temperature | Operating: -40~70 degrees C (**) Storage: -40~85 degrees C |
| Humidity | Operating: 20 ~ 95% (non-condensing) Storage: 10 ~ 95% (non-condensing) |
| Installation | DIN rail TS-35/7.5 or 15 |
| Safety & Function | UL61010; BS EN/EN62368-1, BS EN/EN61558-1/-2-16, / ; CB IEC62368-1, IEC61558-1, ; TUV BS EN EN61010 IEC61010 RCM AS/NZS 61558-1/-2-16; BSMI CNS1 -1; CCC GB4943.1 EAC TPTC004 approved; KC KC62368-1 BIS IS13252 (Part 1):2010 certified |

The specification is for PWR-120-48 hardware version 3 only.

** Please refer to output load derating curve from product specification.

| | |
|--------------------------------|---|
| Model | PWR-240-48 (MEAN WELL -- XDR-240E-48) |
| Hardware Specifications | |
| Hardware Version | 3 |
| Dimensions (W x H x D) | 40 x 125 x 116 mm |
| Weight | 610g |
| Input Voltage | 85 ~ 264VAC, 50/60Hz 127 ~ 370VDC |
| Power Output | 240 watts, 48V, 5A |
| Temperature | Operating: -40~70 degrees C (**) Storage: -40~85 degrees C |
| Humidity | Operating: 20 ~ 95% (non-condensing) Storage: 10 ~ 95% (non-condensing) |
| Installation | DIN rail TS-35/7.5 or 15 |
| Safety & Function | UL61010; BS EN/EN62368-1, BS EN/EN61558-1/-2-16, / ; CB IEC62368-1, IEC61558-1, ; TUV BS EN EN61010 IEC61010 RCM AS/NZS 61558-1/-2-16; BSMI CNS1 -1; CCC GB4943.1 EAC TPTC004 approved; KC KC62368-1 BIS IS13252 (Part 1):2010 certified |

The specification is for PWR-240-48 hardware version 3 only.

** Please refer to output load derating curve from product specification.

| | |
|--------------------------------|--|
| Model | PWR-480-48 (MEAN WELL -- XDR-480E-48) |
| Hardware Specifications | |
| Hardware Version | 3 |
| Dimensions (W x H x D) | 48 x 125 x 125mm |
| Weight | 890g |
| Input Voltage | 85 ~ 264VAC, 50/60Hz 127 ~ 370VDC |
| Power Output | 480 watts, 48V, 10A |
| Temperature | Operating: -40~70 degrees C (**) Storage: -40~85 degrees C |
| Humidity | Operating: 20 ~ 95% (non-condensing) Storage: 10 ~ 95% (non-condensing) |
| Installation | DIN rail TS-35/7.5 or 15 |
| Safety & Function | UL61010; BS EN/EN62368-1, BS EN/EN61558-1/-2-16, / ; CB IEC62368-1, IEC61558-1, ; TUV BS EN EN61010 IEC61010 RCM AS/NZS 61558-1/-2-16; BSMI CNS1 -1; CCC GB4943.1 EAC TPTC004 approved; KC KC62368-1 BIS IS13252 (Part 1):2010 certified |

The specification is for PWR-480-48 hardware version 3 only.

** Please refer to output load derating curve from product specification.

| | |
|--------------------------------|--|
| Model | PWR-960-48 (MEAN WELL -- XDR-960E-48) |
| Hardware Specifications | |
| Hardware Version | 2 |
| Dimensions (W x H x D) | 96 x 125 x 132mm |
| Weight | 2.47kg |
| Input Voltage | 180 ~ 264VAC, 50/60Hz 254 ~ 370VDC |
| Power Output | 960 watts, 48V, 20A |
| Temperature | Operating: -40~70 degrees C (**) Storage: -40~85 degrees C |
| Humidity | Operating: 20 ~ 95% (non-condensing) Storage: 10 ~ 95% (non-condensing) |
| Installation | DIN rail TS-35/7.5 or 15 |
| Safety & Function | UL61010; BS EN/EN62368-1, BS EN/EN61558-1/-2-16, / ; CB IEC62368-1, IEC61558-1, ; TUV BS EN EN61010 IEC61010 RCM AS/NZS 61558-1/-2-16; BSMI CNS1 -1; CCC GB4943.1 EAC TPTC004 approved; KC KC62368-1 BIS IS13252 (Part 1):2010 certified |

The specification is for PWR-960-48 hardware version 2 only.

** Please refer to output load derating curve from product specification.

Ordering Information

| | |
|---------------------------------------|---|
| PWR-75-48 (MEAN WELL -- XDR-75E-48) | 75W 48V DC Single Output Industrial DIN-rail Power Supply (-40~ 70 degrees C) |
| PWR-120-48 (MEAN WELL -- XDR-120E-48) | 120W 48V DC Single Output Industrial DIN-rail Power Supply (-40~ 70 degrees C) |
| PWR-240-48 (MEAN WELL -- XDR-240E-48) | 240W 48V DC Single Output Industrial DIN-rail Power Supply (-40~ 70 degrees C) |
| PWR-480-48 (MEAN WELL -- XDR-480E-48) | 480W 48V DC Single Output Industrial DIN-rail Power Supply (-40 ~ 70 degrees C) |
| PWR-960-48 (MEAN WELL -- XDR-960E-48) | 960W 48V DC Single Output Industrial DIN-rail Power Supply (-40 ~ 70 degrees C) |

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PWR-75-48/PWR-120-48/PWR-240-48
/PWR-480-48v2/PWR-960-48