

## 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 24V 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 -20 to 70 degrees C (maximum), the DC single output industrial DIN-rail power supply units can be placed in almost any difficult environments.

### PWR-40-24 (MEAN WELL/MDR-40-24)

- Universal AC input / full range
- Protection: short circuit, overload and over voltage
- Cooling by free air convection
- For installation on DIN rail TS-35/7.5 or 15
- NEC class 2 / LPS compliant
- LED indicator for power on
- DC OK relay contact
- No load power consumption<0.75W
- 100% full load burn-in test

### PWR-60-24 (MEAN WELL/MDR-60-24)

- Universal AC input / full range
- Protection: short circuit, overload and over voltage
- Cooling by free air convection
- For installation on DIN rail TS-35/7.5 or 15
- LED indicator for power on
- DC OK relay contact
- No load power consumption<0.75W
- 100% full load burn-in test

### PWR-75-24 (MEAN WELL/XDR-75E-24)

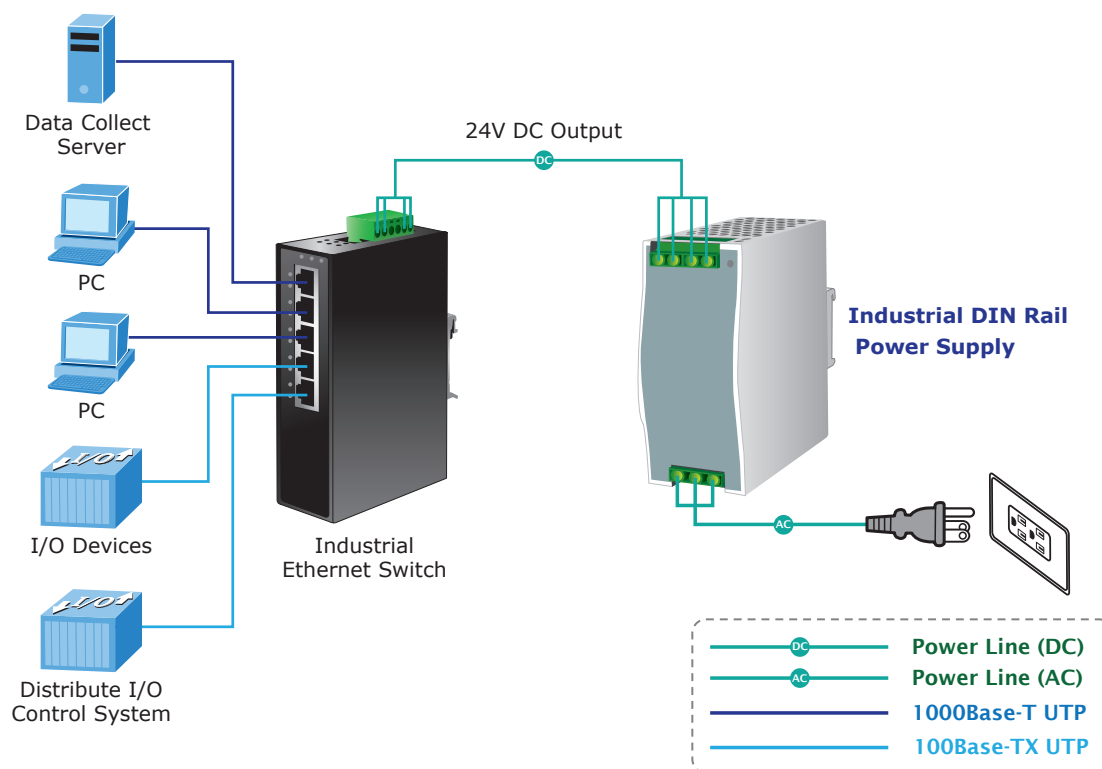
- Universal AC input / full range
- ITE 62368-1, Industrial 61558-1/-2-16, 61010 certificates
- Built-in constant current limiting circuit
- Protection: short circuit, overload, over voltage and over temperature
- Cooling by free air convection
- Operating altitude up to 5000 meters
- Built-in DC OK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

## Applications

### Ideal 24V DC Power Feeding Solution for Non-PoE Industrial Devices

The following DC single output industrial DIN-rail power supply units are able to supply sufficient 24V power to non-PoE industrial devices, such as industrial Fast/Gigabit Ethernet switches and industrial VDSL2 converters. The model names and specifications are:

- **PWR-40-24 (MEAN WELL/MDR-40-24):** 40W 24V DC Single Output Industrial DIN-rail Power Supply (-20 ~ 70 degrees C)
- **PWR-60-24 (MEAN WELL/MDR-60-24):** 60W 24V DC Single Output Industrial DIN-rail Power Supply (-20 ~ 70 degrees C)
- **PWR-75-24 (MEAN WELL/XDR-75E-24):** 75W 24V DC Single Output Industrial DIN-rail Power Supply (-40 ~ 70 degrees C)



## Specifications

Model	PWR-40-24 (MEAN WELL/MDR-40-24)
<b>Hardware Specifications</b>	
Dimensions (W x D x H)	40 x 100 x 90mm
Weight (kg)	0.3kg
Input Voltage	85 ~ 264VAC ,50/60Hz 120 ~ 370VDC
Output Voltage Adj. Range	24-30V
Power Output	40 watts, 24V, 1.7A
Protection Overload	105-150% rated output power Protection type: constant current limiting, recovers automatically after fault condition is removed
Protection Over Voltage	31.2~36V Protection type: Shut down o/p voltage, re-power on to recover
Temperature	<b>Operating:</b> -20~70 degrees C <b>Storage:</b> -40~85 degrees C
Humidity	<b>Operating:</b> 20 ~ 90% <b>Storage:</b> 10 ~ 95% (non-condensing)
Installation	DIN Rail TS-35/7.5 or 15
Safety & Function	UL508, TUV EN60950-1 approved, NEC class 2 / LPS compliant

Model	PWR-60-24 (MEAN WELL/MDR-60-24)
<b>Hardware Specifications</b>	
Dimensions (W x D x H)	40 x 100 x 90mm
Weight (kg)	0.3kg
Input Voltage	85 ~ 264VAC, 50/60Hz 120 ~ 370V DC
Output Voltage Adj. Range	24-30V
Power Output	60 watts, 24V, 2.5A
Protection Overload	105-150% rated output power Protection type: constant current limiting, recovers automatically after fault condition is removed
Protection Over Voltage	31.2~36V Protection type: Shut down o/p voltage, re-power on to recover
Temperature	<b>Operating:</b> -20~70 degrees C <b>Storage:</b> -40~85 degrees C
Humidity	<b>Operating:</b> 20 ~ 90% <b>Storage:</b> 10 ~ 95% (non-condensing)
Installation	DIN Rail TS-35/7.5 or 15
Safety & Function	UL508, TUV EN60950-1 approved

Model	PWR-75-24 (MEAN WELL/XDR-75E-24)
<b>Hardware Specifications</b>	
Hardware Version	3
Dimensions (W x D x H)	30 x 116 x 125mm
Weight (kg)	0.4kg
Input Voltage	85 ~ 264VAC, 50/60Hz 127 ~ 370VDC [DC input operation possible by connecting AC/L(+), AC/N(-)]
Output Voltage Adj. Range	24-29V
Power Output	75 watts, 24V, 3.2A
Protection Overload	105-130% rated output power, constant current limiting without shutdown, recovers automatically after fault condition is removed
Protection Over Voltage	30~34V Protection type: Shut down o/p voltage, re-power on to recover
Protection Over Temperature	Protection type: Hiccup mode, recovers automatically after fault condition is removed
Temperature	<b>Operating:</b> -40~70 degrees C <b>Storage:</b> -40~85 degrees C
Humidity	<b>Operating:</b> 20 ~ 95% (non-condensing) <b>Storage:</b> 10 ~ 95% (non-condensing)
Installation	DIN Rail TS-35/7.5 or 15
Safety & Function	UL61010; TUV BS EN/EN62368-1, BS EN/EN61558-1/-2-16, BS EN/EN61010; CB IEC62368-1, IEC61558-1, IEC61010; RCM AS/NZS 62368-1, AS/NZS 61558-1/-2-16; BSMI CNS15598 -1; CCC GB4943.1; EAC TPTC004 approved; KC KC62368-1 and BIS IS13252 (Part 1):2010 certified

## Ordering Information

PWR-40-24 (MEAN WELL -- MDR-40-24)	40W 24V DC Single Output Industrial DIN-rail Power Supply (-20 ~ 70 degrees C)
PWR-60-24 (MEAN WELL -- MDR-60-24)	60W 24V DC Single Output Industrial DIN-rail Power Supply (-20 ~ 70 degrees C)
PWR-75-24 (MEAN WELL -- XDR-75E-24)	75W 24V DC Single Output Industrial DIN-rail Power Supply (-40 ~ 70 degrees C)

### PLANET Technology Corporation

11F., No.96, Minquan Rd., Xindian Dist., New Taipei City 231, Taiwan (R.O.C.)

Tel: 886-2-2219-9518

Email: sales@planet.com.tw

Fax: 886-2-2219-9528

www.planet.com.tw



### PWR-40-24/PWR-60-24/PWR-75-24

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