

# DP-150-48

## Industrial DIN Rail Power Supply

### Features

- Provide overload/over voltage/over heat/short circuit protection
- Provide power-on LED indicator
- High-strength aluminum alloy enclosed housing
- Industrial fan free and dust proof design
- Compact dimension , industrial Din-Rail mounting for easy on-site network arrangement



### Product Overview

DP-150-48 industrial rail power supply is specially designed and manufactured for industrial applications, suitable for mounting on DIN rail TS35 / 7.5 or 35/15 rails, saving installation space and facilitating on-site network arrangement.

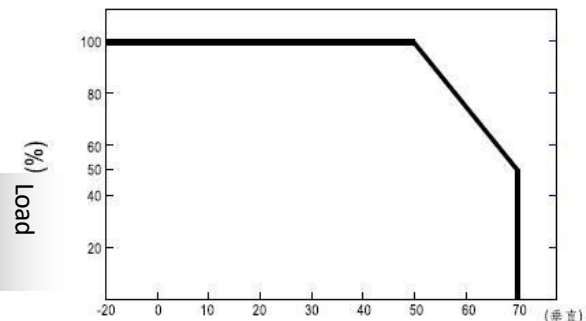
The high strength aluminum alloy enclosed housing can shield electromagnetic interference and resist vibration and shock .Industrial fan free design avoids the failure point caused by fan stall, which is suitable for long-term stable, reliable and safe use in various harsh industrial environments, providing a highly reliable and efficient power supply solution for industrial applications.

## Specifications

Name	Parameters	
Input	Input Voltage Range	100-264V AC, 160-340VDC
	AC input current	2A/230VAC
	Efficiency	84%
	AC Frequency	47~63Hz
	Leakage current protection	<2.5mA/240VAC
	Inrush current	Cold start current 60A/230VAC
	Start, rise, hold time	800ms, 600ms, 50ms full load
Output	DC output voltage	48VDC
	Output Voltage Tolerance	±1%
	Rated output current	3.125A
	Output current range	0~3.125A
	Output power	150W
	DC voltage adjustable range	±10%
Protection	Overload/short circuit protection	115%~135% over rated load enters hiccup mode and automatically recovers after fault condition is removed
	Over-voltage protection	Exceed the rated voltage 125%~145% into hiccup mode, automatically recover after the fault condition is removed
Environment	Operating temperature	-20 ~ +70℃, humidity 20~90%RH (please refer to derating curve)
	Storage Environment	-35 ~ +85℃, humidity 20~90%RH
	Vibration	10 ~ 500Hz, 5G 10min/1 cycle, 60min total along each direction of X.Y.Z axis
Insulation Performance	Voltage resistance	Between input and output: 1.5KVAC, input and ground: 1.5KVAC, output and ground 0.5KVAC
	Insulation resistance	500VDC/100MΩ between input and output, input and ground, output and ground
MTBF	Average time between failures 100000 hours (25℃)	
Dimension	125.2x65.5x100mm	
Weight	0.8Kg	
Caution	<ol style="list-style-type: none"> <li>1. All parameters should be tested under the specified conditions, input voltage 220VAC, ambient temperature at 25℃</li> <li>2. When measuring ripple and noise, use a 30 cm long twisted pair wire to connect 0.1u and 47u capacitors in parallel and then test</li> <li>3. Considering that the power supply may be installed on the final equipment, the final equipment must comply with EMC related regulations at this time.</li> </ol>	

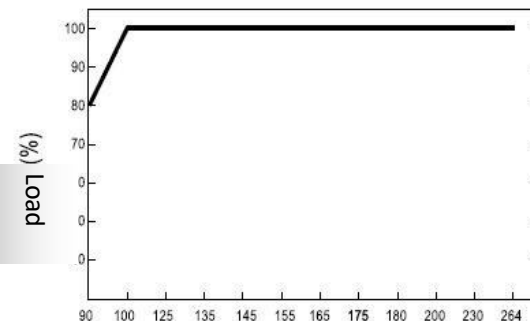
## Derogation Curve

Derogation Curve



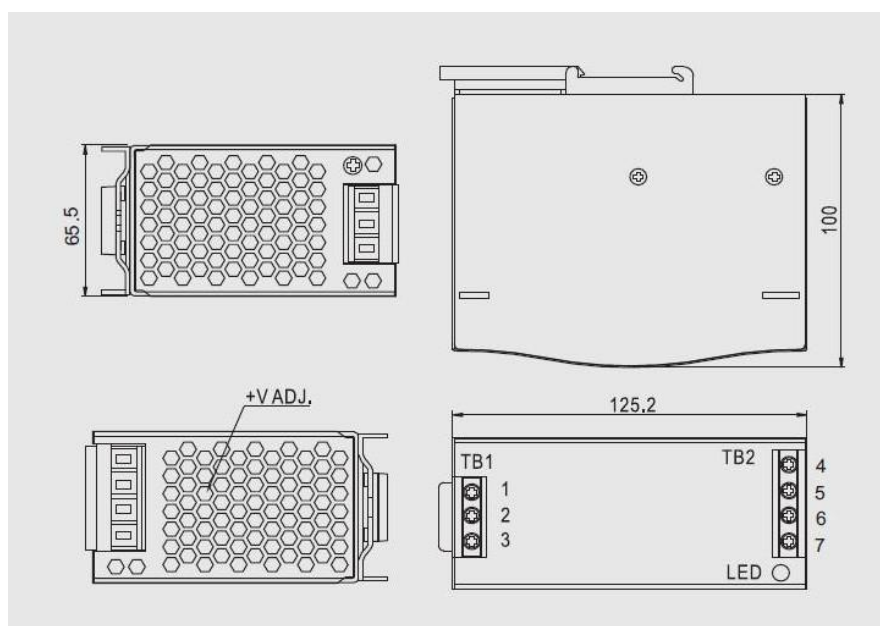
Ambient temperature °C

Static characteristic curve



Input voltage (V) 60Hz

## Physical Dimensions



## Ordering Information

Model	Description
DP-150-48	AC 85-265V input, 48V output, 150W industrial rail power supply
<b>DP Series Selection Recommendation</b>	
DP-30-24	AC 85-265V input, 24V output, 30W industrial rail power supply
DP-150-48	AC 85-265V input, 48V output, 150W industrial rail power supply
DP-240-48	AC 85-265V input, 48V output, 240W industrial rail power supply
DP-480-48	AC 85-265V input, 48V output, 480W industrial rail power supply