POWER ACCESSORIES

# 48V 480W Industrial DIN-Rail Power Supply

**Model** IPD-480W-48V

48V 480W DIN-rail power supply delivering 10A for industrial automation. Features OLP/OVP protection and high efficiency. Ideal for system integrators.

## Features

- DIN-Rail Industrial Power Supply (48V / 480W)
- Ripple & Noise: 480mV
- Input: 175–264 VAC, 47–63 Hz
- Efficiency: 86%
- Size: 85.5 × 125.2 × 128.5 mm
- Output: 48V DC, 10A (0–10A), 480W
- Voltage Adj.: 47.2–48.8V
- Input Current: 2.4A @230V
- Protection: OLP / OVP / SCP
- Mounting: DIN Rail

# Specification

MAXSOL New Zealand

## Output

| | |
|---|---|
| Model | IPD-480W-48V |
| DC voltage | 48V |
| Rated current | 10A |
| Current range | 0-10A |
| Rated power | 480W |
| RIPPLE & NOISE | 480mV |
| Voltage adjustment range | 47.2~48.8V |
| VOLTAGE TOLERANCE Note.3 | ±2.0% |
| Linear regulation | ±0.5% |
| Load regulation | ±1% |
| Start-up time | ≤1000ms/230VAC (full load) |
| Hold-up time (Typ.) | 30ms/230VAC (full load) |

## Input

| | |
|---|---|
| Voltage range | 175-264VAC |
| Frequency Range (Hz) | 47~63Hz |
| Efficiency（Typ.） | 86% |
| AC current（Typ.） | 3.5A Max 220VAC |
| Inrush current(Typ.) | Cold start: <80A/230VAC |
| Leakage current | < 0.75mA/240VAC |

## Protection

| | |
|---|---|
| Short circuit protection | Protection Method: Hiccup Mode, Automatic Recovery After Abnormal Removal |
| Overload protection | 110%~150% of Rated Output Power<br>Protection Method: Hiccup Mode, Automatic Recovery After Abnormal Removal |
| Protection type | Shut down O/P voltage,re-power on to recover |

## Condition

| | |
|---|---|
| Working temperature（℃） | -25 ~ +55℃，20 ~ 90%RH(non-condensing) |
| Storage temperature、humidity | -20 ~ +85℃，10 ~ 95%RH |
| Temperature coefficient | ±0.3‰（0 – 50℃） |
| Vibration resistance | 10-500Hz, 2g, 10 minutes/cycle, 60 minutes each for X, Y, and Z axes |

## Safety standard

| | |
|---|---|
| Withstand voltage(VAC) | I/P-O/P:1.5KVAC,I/P-FG:0.5KVAC,OP-FG:0.5KVAC 60S |
| Safety standard Reference | Designed to EN/UL60950-1 and GB4943 standards |
| Insulation resistance | I/P-O/P,I/P-FG,O/P-FG: 100M Ohm/500VDC/25℃ |

## Package

| | |
|---|---|
| product size | 85.5*125.2*128.5(mm) (W*H*D) |
| Weight | 0.79kg |

# Contact us

Maxsol New Zealand

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