

48V 480W DIN-Rail Power Supply

Model: IPD-480W-48V



The IPD-480W-48V DIN-Rail Power Supply Delivers Stable 48V Output For Industrial Automation, Communications, Intelligent Hardware, And Building Control Systems. Its High-Efficiency Design And Durable Materials Ensure Reliable Power For Automation, Security, And Other DIN-Rail Applications.

- DIN-Rail Industrial Power Supply (48V / 480W)
- Output: 48V DC, 10A (0–10A), 480W
- Ripple & Noise: ≤ 250 mVp-p
- Voltage Adj.: 48–55V, Accuracy $\pm 1\%$
- Input: 100–240 VAC, 47–63 Hz
- Input Current: 4.8A @115V / 2.4A @230V
- Efficiency: 93%
- Protection: OLP / OVP / SCP
- Size: 82.5 × 125.2 × 128.5 mm
- Mounting: DIN Rail

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) ≤2000ms/115VAC (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.)	<3.5mA/240VAC
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 Protection Method: Hiccup Mode, Automatic Recovery After Abnormal Removal
Protection type	Shut down O/P voltage,re-power on to recover

Condition

Working temperature (°C)	-25~+55°C, 20~90%RH(non-condensing)
Storage temperature、humidity	-20~+85°C, 10~95%RH
Temperature coefficient	±0.3‰ (0 ~ 50°C)
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°C

Package

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



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