

48V 120W DIN-Rail Power Supply

Model: IPD-120W-48V



The IPD-120W-48V DIN-Rail Power Supply Delivers Stable 48V Output For Industrial Automation, Communications, Intelligent Hardware, And Building Control Systems. With High-Efficiency Design And Quality Materials, It Ensures Reliable Power For Automation Equipment, Security Devices, And Other DIN-Rail Applications.

- DIN-Rail Industrial Power Supply (48V / 120W)
- Output: 48V DC, 2.5A (0–2.5A), 120W
- Ripple & Noise: ≤ 150 mVp-p
- Voltage Adj.: 48–55V, Accuracy $\pm 1\%$
- Input: 100–240 VAC, 47–63 Hz
- Input Current: 2.25A @115V / 1.3A @230V
- Efficiency: 89%
- Protection: OLP / OVP / SCP
- Size: 40 × 125.2 × 113.5 mm
- Mounting: DIN Rail

Output

Model	IPD-120W-48V
DC voltage	48V
Rated current	2.5A
Current range	0-2.5A
Rated power	120W
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.)	1A Max 220VAC 2A Max 110VAC
Inrush current(Typ.)	Cold Start <50A/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 Protection Method: Hiccup Mode, Automatic Recovery After Abnormal Removal

Condition

Working temperature (°C)	-10°C – +45°C
Working temperature (°C)	20% – 90%RH, Non-condensing
Storage temperature、 humidity	20°C – +85°C, 10% – 95%RH, Non-condensing
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	40*125.2*113.5(mm)(W*H*D)
Weight	0.4kg





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