POWER ACCESSORIES

Industrial 48V DC 120W DIN-Rail Power Supply

Model IPD-120W-48V

High-efficiency 120W 48V DC DIN-rail power supply for industrial automation. Features overload protection and compact design. Ideal for system integrators.

Features

- DIN-Rail Industrial Power Supply (48V / 120W)
- Ripple & Noise: 480mV
- Input: 100–240 VAC, 47–63 Hz
- Efficiency: 86%
- Size: 40 × 125.2 × 113.5 mm
- Output: 48V DC, 2.5A (0–2.5A), 120W
- Voltage Adj.: 47.2–48.8V
- Input Current: 2.25A @115V / 1.3A @230V
- Protection: OLP / OVP / SCP
- Mounting: DIN Rail

Specification

MAXSOL United Kingdom

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	100-240VAC
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（℃）	-10℃ – +45℃
Working temperature（℃）	20% – 90%RH, Non-condensing
Storage temperature、humidity	20℃ – +85℃, 10% – 95%RH, Non-condensing
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	40*125.2*113.5(mm) (W*H*D)
Weight	0.4kg

MAXSOL
United Kingdom

Contact us

Maxsol United Kingdom

Email

sales@maxsol-tech.com