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 United Kingdom

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 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

MAXSOL
United Kingdom

Contact us

Maxsol United Kingdom

Email

sales@maxsol-tech.com