



OI480WPSU

480 W DIN-Rail Power Supply

Input: 90 – 264 V AC / 127 – 370 V DC, Output: 48 V DC, Operating Temperature: -20 to 50 °C



OI480WPSU – Industrial DIN-Rail Power Supply, 480 W Output, 48 V DC.

The ORIGO OI480WPSU power supply is designed to provide reliable power for networking equipment in a variety of harsh environments.

It operates in a wide operating temperature range of -20 to 50 °C (full load) and features protection against short circuits, overcurrent, overvoltage, and overheating. The unit supports both AC and DC input voltages.

The OI480WPSU is recommended for use with ORIGO industrial switches: OI2206P/120W, OI2210P/185W, OI2210P+/185W, OI3112P/185W, and OI3120P/185W.

Key Features

- Output Power: 480 W
- Output Voltage: 48 V DC
- Universal 90 – 264V AC or 127 – 370V DC input voltage
- Operating Temperature: -20 to 50 °C (full load)
- DIN-Rail Mountable
- Recommended for ORIGO switches: OI2206P/120W, OI2210P/185W, OI2210P+/185W, OI3112P/185W, OI3120P/185W



Specifications

Hardware

Output Power	<ul style="list-style-type: none">• 480 W
Output Voltage	<ul style="list-style-type: none">• 48V DC, 10 A
Input Voltage Range	<ul style="list-style-type: none">• 90 – 264 V AC (47 – 63 Hz)• 127 – 370 V DC
Input Current	<ul style="list-style-type: none">• 5.3 A (100 V AC)• 2.4 A (230 V AC)
Inrush Current	<ul style="list-style-type: none">• 20 A (115 V AC)• 35 A (230 V AC)
Protection	<ul style="list-style-type: none">• Short-circuit protection• Overcurrent protection
Insulation Resistance	<ul style="list-style-type: none">• 500 MΩ
Efficiency	<ul style="list-style-type: none">• 92 %
Casing	<ul style="list-style-type: none">• Metal
Mounting	<ul style="list-style-type: none">• DIN-rail

Physical Parameters

Dimensions (W x D x H)	<ul style="list-style-type: none">• 85.5 x 125 x 129 mm
Weight	<ul style="list-style-type: none">• 1.44 kg
Package Dimensions	<ul style="list-style-type: none">• 16.5 x 11.7 x 14.9 cm
Gross Weight	<ul style="list-style-type: none">• 1.5 kg

Operating Conditions

MTBF	<ul style="list-style-type: none">• 200 000 hours
Temperature	<ul style="list-style-type: none">• Operating: -20 to 50 °C (full load) / -20 to 70 °C (without load)• Storage: -40 to 85 °C
Humidity	<ul style="list-style-type: none">• Operating: 20% to 90% (non-condensing)• Storage: 10% to 95% (non-condensing)



Certifications & Standards

Safety Standard	<ul style="list-style-type: none">• UL508• BS EN62368-1
Safety Class	<ul style="list-style-type: none">• Class I
EMS	<ul style="list-style-type: none">• Electrostatic Discharge (ESD) Immunity (IEC/EN 61000-4-2)• Radiated Electromagnetic Immunity (IEC/EN 61000-4-3)• Electrical Fast Transient/Burst Immunity (IEC/EN 61000-4-4)• Surge Immunity (IEC/EN 61000-4-5)• Power Frequency Magnetic Field Immunity (IEC/EN61000-4-8)• Conducted Disturbance Immunity (IEC/EN 61000-4-6)• Voltage Dips, Short Interruptions, and Voltage Variations Immunity (IEC/EN 61000-4-11)

Package Contents

Package Contents	<ul style="list-style-type: none">• Power Supply OI480WPSU• Quick Installation Guide
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Compatible Products

Switches	<ul style="list-style-type: none">• OI2206P/60W• OI2206P/120W• OI2210• OI2210P/185W• OI2210P+/185W• OI3106• OI3106P/60W• OI3112• OI3112P/185W• OI3120• OI3120P/185W
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Order Info

OI480WPSU	Power Supply 480W, DIN-Rail, 48V DC Output
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