



SWITCH MODE POWER SUPPLY

PS48-2.5A-P

APPLICATIONS

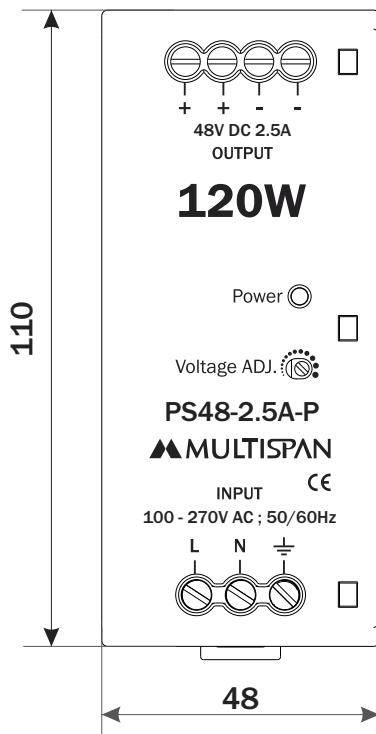
Robotics

Automation Panel

Elevators

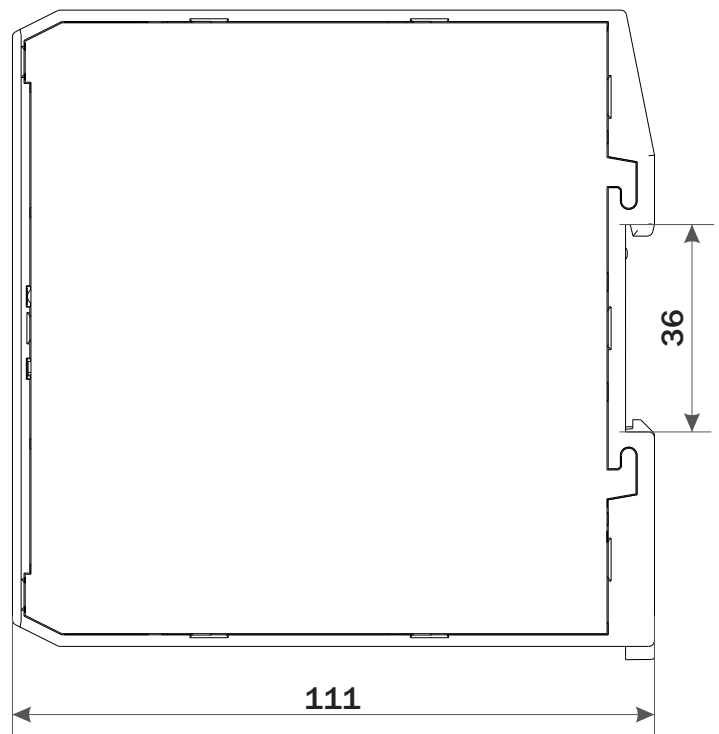
Special Purpose Machine

Mechanical Dimensions



FRONT VIEW

All dimensions are in mm



RIGHT SIDE VIEW

Features

- 120W rated power
- Compact Size
- LED Indicate For Power ON
- Din Rail Mount
- Cooling by free air convection

Protection Available

- Overload, Over voltage, Output short circuit, Over Temperature

Input Specification

Supply Voltage	100 to 270V AC (L-N) 127 to 350V DC
Frequency Range	50/60 Hz
AC Current (TYP.)	2.1A@100V AC 0.95A@270V AC
Efficiency (TYP.)	>89%@230VAC
Start UP time	<1 sec@230VAC & <3 sec@100VAC (Full Load)

Output Specification

Output Voltage	46-55V DC
Output Current	2.5A at 48V; 2.2A at 55V
Ripple & noise	<1% of V out
Line Regulation	±1%
Load Regulation	±1%
Hold UP Time	<60ms at 230VAC & >15ms at 100VAC (Full Load)

LED Indication

LED 1	Power On
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Protection

Input Fused	3.15A -250V AC Internal
Output Over Load	110% to 120% of rated Output Current protection Protection Type :Hiccup mode;recover automatically after fault condition is removed
Output Short Circuit	Hiccup mode when output is shorted; Recovers automatically after fault condition is removed.
Output Over Voltage	62V DC ±1V DC Protection type: Latched: Input AC Power has to be recycled to recover the power supply.
Over Temperature	Power supply shuts down when the temperature goes above specified limit; Turns on automatically after temperature goes back to Normal operating conditions.
Isolation between Input and Output :	2.5 KV

Environmental

Working Temperature	-25 °C to 50 °C * De-rate output power at 3w/ °C above +50 °C Ambient
Storage Temperature	-40 °C to 85 °C
Relative Humidity	95% RH Non-condensing

Mechanical Characteristics

Mounting Type	DIN Rail Mount
Dimension (HxWxD) mm	110 x 48 x 111
Material	Body Polycarbonate (PC)
Terminal Screw Size	M3
Screw Torque (N.m)	0.5
Wire Gauge (AWG)	28-12
Weight (Approx) gms	Unpacked : 390 Packed : 430