

Power Adaptor, 120W

Model NDR-120-48

Specifications

Output

DC Voltage	48 V
Rated Current	2.5 A
Current Range	0 to 2.5 A
Rated Power	120 W
Ripple & Noise	150 mV p-p
Voltage Adjustment Range	48 to 55 V
Voltage Tolerance	±1.0%
Line Regulation	±0.5%
Load Regulation	±1.0%
Setup, Rise Time	1200 ms, 60 ms at 230 VAC 2500 ms, 60 ms at 115V AC, Full Load
Hold Up Time	16 ms at 230V AC (Typ.) 10 ms at 115VAC, Full Load (Typ.)

Input

Voltage Range	90 to 264 VAC 127 to 370 VDC by Connecting AC/L(+), AC/N(-)
Frequency Range	47 to 63 Hz
Efficiency	89% (Typ.)
AC Current	2.25 A at 115VAC (Typ.) 1.3 A at 230 VAC (Typ.)
Inrush Current	20 A at 115 VAC (Typ.) 35 A at 230 VAC (Typ.)
Leakage Current	<1 mA at 240 VAC

Protection

Overload	105 to 130% Rated Output Power Protection Type: Constant Current Limiting, Recovers Automatically After Fault Condition is Removed
Over Voltage	56 to 65 V Protection Type: Shut Down O/P Voltage, Re-power On to Recover
Over Temperature	Shut Down O/P Voltage, Re-power On to Recover

Environment

Temperature	-20 to +70°C (Operating) -40 to +85°C (Storage)
Humidity	20% to 95% Non-condensing (Operating) 10% to 95% (Storage)
Temperature Coefficient	±0.03%/ °C (0 to 50°C)
Vibration	10 ~ 500 Hz, 2G 10 Min./ Cycle, 60 min. Each Along X, Y, Z Axes (Component) IEC60068-2-6 (Mounting)



Safety & EMC

Safety Standards	UL508, TUV EN60950-1; EN 60204-1
Withstand Voltage	I/P to O/P: 3 KVAC I/P to FG: 2 KVAC O/P to FG: 0.5 KVAC
Isolation Resistance	I/P to O/P, I/P to FG, O/P to FG > 100M Ohms at 500 VDC / 25°C / 70% RH
EMC Emission	EN 55032 (CISPR32) EN 61204-3 Class B EN 61000-3-2, 3
EMC Immunity	EN 61000-4-2, 3, 4, 5, 6, 8, 11 EN 55024 EN 61000-6-2 (EN 50082-2) EN 61204-3 Heavy Industry Level, Criteria A

Others

MTBF	456.3 K hrs (Min.) MIL-HDBK-217F (25°C)
Dimensions	40.0 × 125.2 × 113.5 mm
Installation Clearances	40 mm (Top); 20 mm (Bottom), 5 mm (Both Sides), 15 mm (Heat Source)
Weight	600 g (Net); 674 g (Gross)

Certification

CE, CB, UL

Warranty

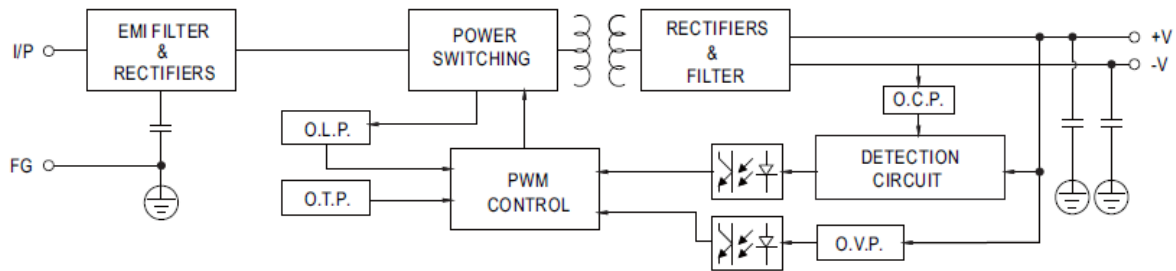
First year free limited hardware warranty

Ordering Information

Part Number	Description
NS.PA-0120-MW	Power Adaptor, 120W - For 4-port Industrial High Power PoE Switch, DIN Rail Mounting

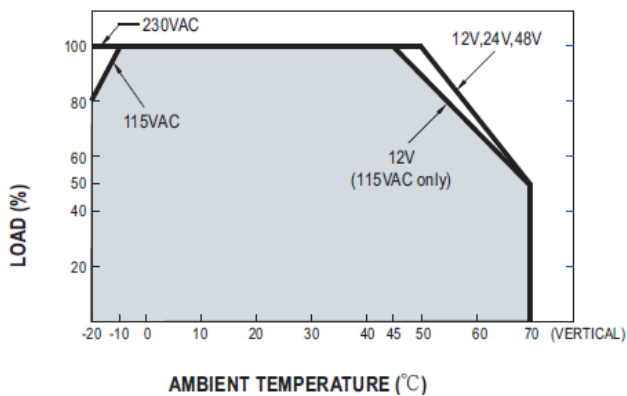
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Block Diagram

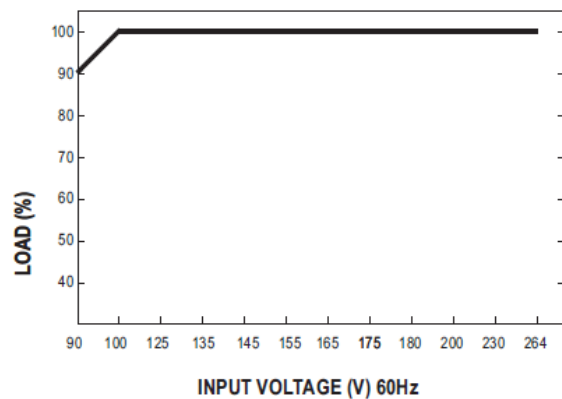


Derating Curve

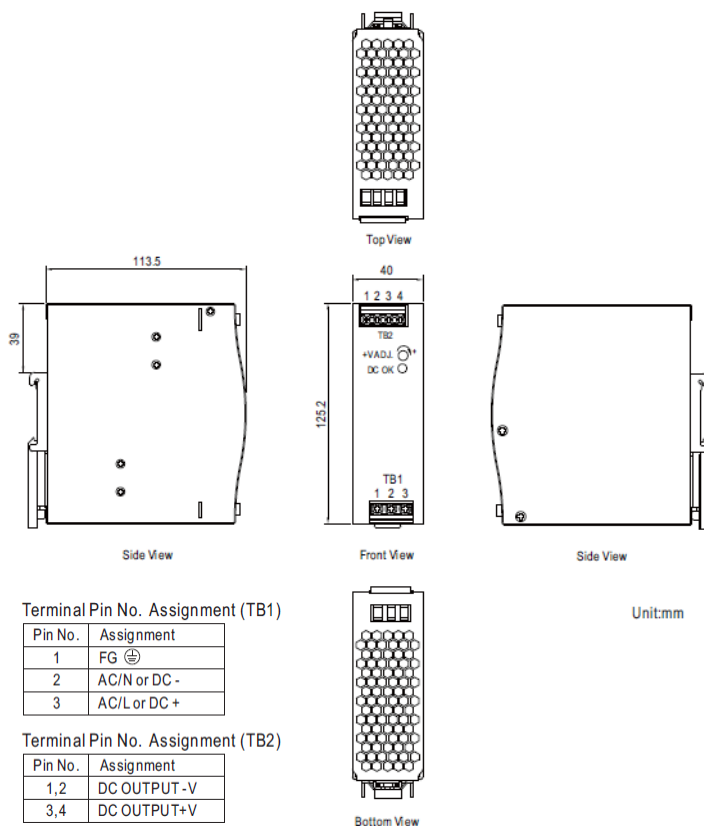
Output Derating vs. Ambient Temperature



Output Derating vs Input Voltage



Mechanical Specifications



DIN Rail Mounting

Admissible DIN Rail: TS35/7.5 or TS35/15
(Din Rail Not Included)

