

## Power Adaptor, 480W

Model NDR-480-48

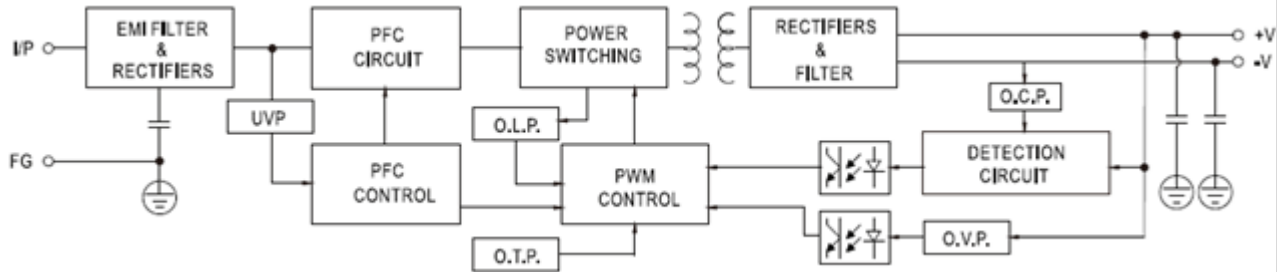
### Specifications

Output	
DC Voltage	48 V
Rated Current	10 A
Current Range	0 to 10 A
Rated Power	480 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	1500 ms, 100 ms at 230 VAC 3000 ms, 100 ms at 115V AC, Full Load
Hold Up Time	16 ms at 230V AC (Typ.) 16 ms at 115VAC, Full Load (Typ.)
Input	
Voltage Range	90 to 264 VAC 127 to 370 VDC
Frequency Range	47 to 63 Hz
Power Factor	> 0.98 at 115 VAC (Typ.) > 0.94 at 230 VAC, Full Load (Typ.)
Efficiency	92.5% (Typ.)
AC Current	4.8 A at 115VAC (Typ.) 2.4 A at 230 VAC (Typ.)
Inrush Current	20 A at 115 VAC (Typ.) 35 A at 230 VAC (Typ.)
Leakage Current	<2 mA at 240 VAC
Protection	
Overload	105 to 130% Rated Output Power Protection Type: Constant Current Limiting, Unit Will Shut Down After 3 Seconds, Re-power On to Recover
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, Recovers Automatically After Temperature Goes Down
Environmental	
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)



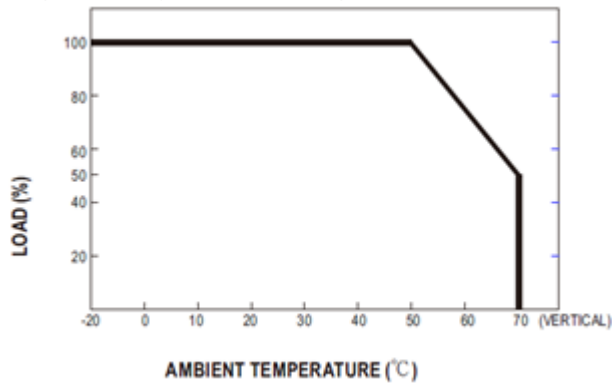
Safety & EMC	
Safety Standards	UL508, TUV EN60950-1; EAC TP TC 004; BSMI CNS 14336-1 Approved; EN 60204-1
Withstand Voltage	I/P to O/P: 3 kV AC I/P to FG: 2 kV AC O/P to FG: 0.5 kV AC
Isolation Resistance	I/P to O/P, I/P to FG, O/P to FG > 100M Ohms at 500 VDC / 25°C/ 70% RH
EMC Emission	EN 55032 (CISPR32) EN 61204-3 Class B EN 61000-3-2, 3 EAC TP TC 020 CNS 13438 Class B
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 EAC TP TC 020
Others	
MTBF	146.8K hr (Min.) MIL-HDBK-217F (25°C)
Dimensions	85.5 × 125.2 × 128.5 mm (W*H*D)
Installation Clearances	40 mm (Top); 20 mm (Bottom), 5 mm (Both Sides), 15 mm (Heat Source)
Weight	1,500 g (Net); 1,625 g (Gross)
Certification	
CE, CB, UL	
Ordering Information	
Part Number: GE.PA-0480-MW	
Power Adaptor for Industrial PoE Switch (Model No.: NDR-480-48) - 480W, DIN Rail Mounting	

## Block Diagram

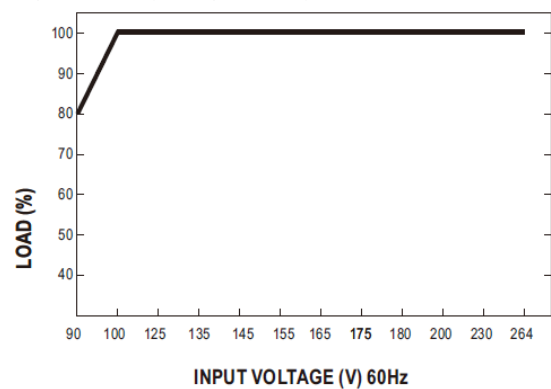


## Derating Curve

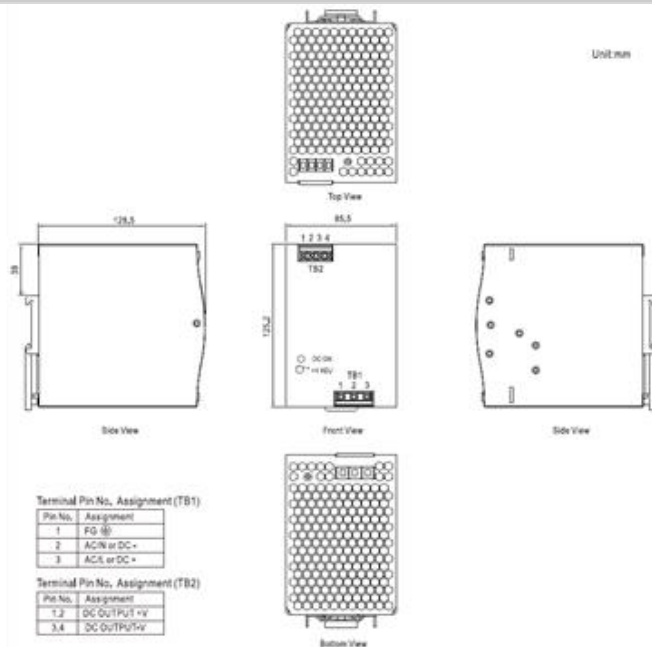
Output Derating vs. Ambient Temperature



Output Derating vs Input Voltage

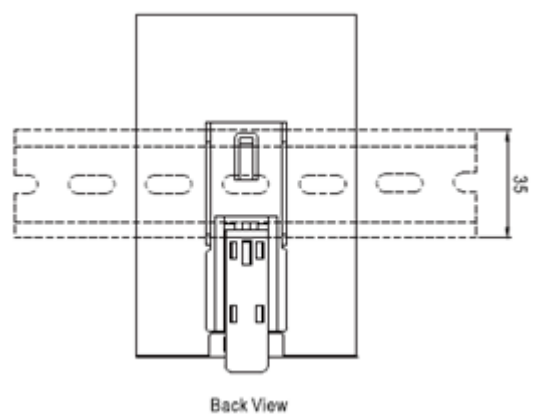


## Mechanical



### DIN Rail Mounting

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



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