240W Single Output Industrial DIN Rail Power Supply NDR-240 series

Features:

Universal AC input/ full range

Built-in active PFC function

Protections: Short circuit/ Over load/ Over voltage/ Over temperature

Cooling by free air convection

Can be installed on DIN rail TS-35/7.5 or 15

LED indicator for power on

100% full load burn-in test

Fixed switching frequency at 100KHz

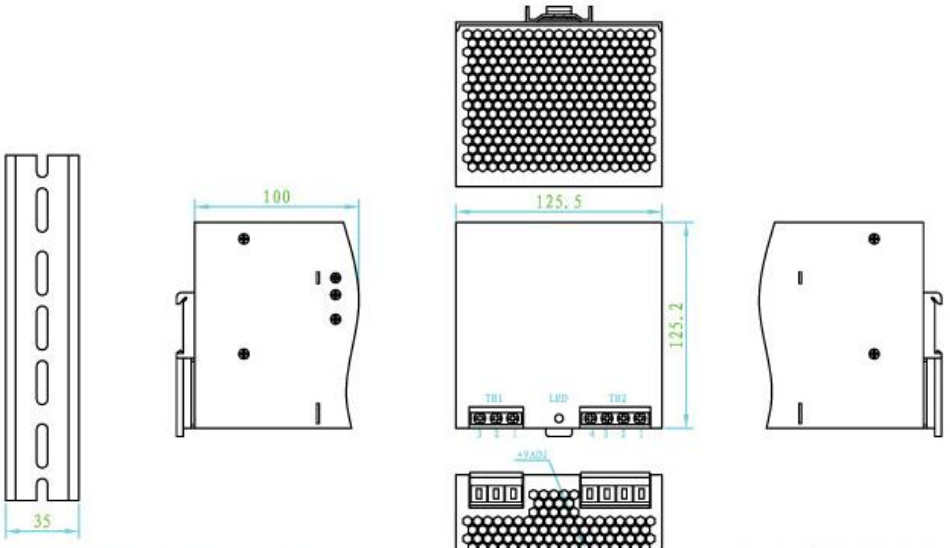
2 year warranty

SPECIFICATIONS		
OUTPUT		
Model	NDR-240-24	NDR-240-48
DC Voltage	24V	48V
Rated Current	10A	5A
Current Range	0-10A	0-5A
Rated Power	240W	240W
Ripple & Noise	150mVp-p	150mVp-p
Voltage Adj. Range	24-28V	48-55V
Voltage Tolerance	±1%	±1%
Setup, Rise Time	1500ms,100ms/230VAC 3000ms,100ms/115VAC at full load	
Hold Up Time	28ms/230VAC 22ms/115VAC at full load	
INPUT		
Voltage Range	90~264VAC 47~63Hz; 127~370VDC	
AC Current	2.5A/115V 1.3A/230V	
Efficiency	84%	85%
Inrush Current	Cold start 20A/115V 35A/230V	
Leakage Current	<1mA/240VAC	
PROTECTION		
Over Load	105%~130%	
	Protection type: Constant current limiting, recovers automatically after fault condition is removed	
Over Voltage	29-33V	56-65V
	Protection type: Shut down o/p voltage, re-power on to recover	
Over Temp.	100℃±5℃(TSW1)	
	Protection type: Shut down o/p voltage, recovers automatically after temperature goes down	

ENVIRONMENT	
Working Temp., Humidity	-10℃~+70℃; 20%~90%RH
Storage Temp., Humidity	-20℃~+85℃; 10%~95%RH
Vibration	10~500Hz, 2G 10min./1cycle, period for 60min, each along X, Y, Z axes
SAFETY	
Withstand Voltage	I/P-O/P: 3KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC
Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms / 500VDC
STANDARD	
Safety Standard	Design refer to UL508,UL60950-1, TUV EN60950-1
EMC Standard	EN55011,EN55022,EN61000-3-2,-3,EN61000-4-2,3,4,5,6,8,11,ENV50204,EN55024,EN61000-6-2(EN50082-2)
OTHERS	
Dimension	125.5*125.2*100mm(L*W*H)
Weight	1.3Kg
Packing	12pcs/15.5Kg/1.2CUFT
NOTE	

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ of ambient temperature.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12” twisted pair-wire terminated with a 0.1μ & 47μ parallel capacitor.
3 .Tolerance: includes set up tolerance, line regulation and load regulation.
4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.
5 . Derating may be needed under low input voltages. Please check the derating curve for more details.

■Mechanical Specification



ADMISSIBLE DIN-RAIL: TS35/7.5或TS35/15

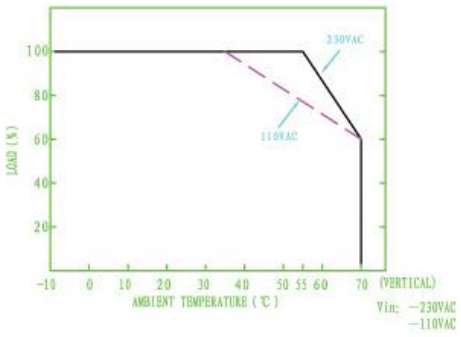
Terminal Pin No. Assignment(TB1)

pin No.	Assignment
1	FG
2	AC/N
3	AC/L

Terminal Pin No. Assignment(TB2)

pin No.	Assignment
1. 2	DC OUTPUT+T
3. 4	DC OUTPUT-T

■Derating Curve



■Output Derating VS Input Voltage