

NDR-150 series Aluminum shell rail type switch power supply

1. NDR-150W is designed with a metal casing to improve machine heat dissipation, with a working efficiency of up to 87%. The entire series can operate in ambient temperatures ranging from -20 °C to 60 °C under air circulation conditions. It has constant current mode overload protection function, suitable for various inductive or capacitive load applications. The complete protection function and compliance with industrial standards (IEC/EN62368-1 and others) make NDR-150W a highly competitive power solution for industrial applications.

- 2.Features :
- International universal full range exchange input
 - Protection features: short circuit/overload/overvoltage
 - Natural air cooling
 - Can be installed on TS-35/7.5 or 15
 - Compliant with industrial standards (IEC/EN62368-1 and others)
 - 100% full load aging
 - 3-year quality assurance

- 3.Application:
- Industrial control system
 - Semiconductor manufacturing equipment
 - Factory automation
 - Mechanical and electrical equipment

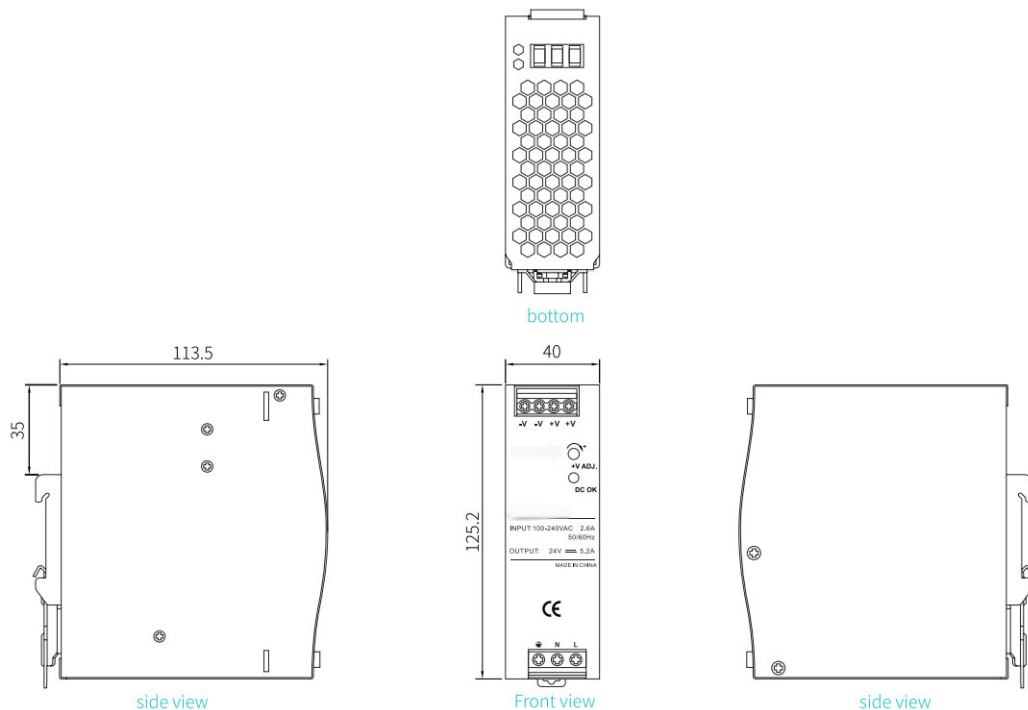
4.Specifications



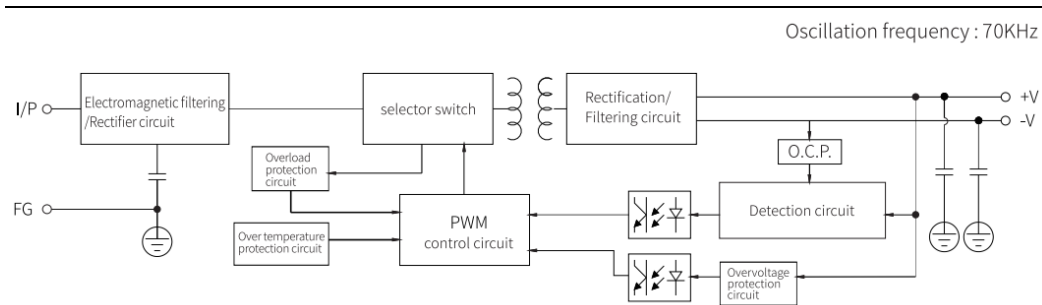
Model		NDR-150-24	
Output	DC voltage	24V	
	Rated current	6.5A/230VAC	5.2A/115VAC
	Current range	0~6.5A/230VAC	0~5.2A/115VAC
	Rated power	156W/230VAC	125W/115VAC
	Ripple&noise	240mvp-p	
	Adjustable range of DC voltage	24~28V	
	Excellent voltage	± 1%	
	Linear adjustment rate	± 0.5%	
	Load adjustment rate	± 1%	
	Start, rise, hold time	1500ms,60ms,16ms/230VAC 3000ms,60ms,10ms/115VAC(At full load)	
Input	Input voltage range	100~240VAC, 47~63Hz, 141~339VDC	
	AC input voltage	2.6A/115VAC 1.7A/230VAC	
	Efficiency	87%	
	Surge current	20A/115VAC, 35A/230VAC	
	Leakage current	<1mA/240VAC	
Protection	Over load	105%~130% of rated output power	
		Protection mode: Hiccup mode, can automatically restore/230VAC after removing abnormal load conditions	
		105%~150% of rated output power	
	Over voltage	29~33V	
		Protection mode: Turn off output, normal output can be restored after power restart	
Environment	Working temp,humidity	-20℃~+60℃, 20%~90%RH	
	Storage temp,humidity	-40℃~+85℃, 10%~95%RH non-condensing	
	temperature coefficient	± 0.03%/° C(0~50° C)	

	Withstand vibration	10~500Hz, 2G 10min./ Cycle, 60 minutes each for X, Y, and Z; Installation: Complies with IEC60068-2-6
Safety	Withstand voltage	I/P-O/P:1.5KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC
	Isolated resistance	I/P-O/P,I/P-FG,O/P-FG:>100M ohms/500VDC/25° C/70%RH
Fit standard	Safety standards	IEC/EN62368-1, EN61558-1
	EMC emission	Compliant with IEC/EN55032 (CISPR32) class A, IEC/EN61000-3-2, class A
	EMC immunity	Compliant with IEC/EN55035, IEC/EN61000-6-2, IEC/EN61000-4-2、3、4、5、6、8
Others	Dimension	40*125.2*113.5mm (W*H*D)
	Weight/packing	0.5kg/30pcs/16kg/0.03m³/1.05CUFT
Note	1. Unless otherwise specified, all specifications are measured under the input of 230VAC, rated load, and ambient temperature of 25°C. 2. Measurement method for ripple and noise: use a 12" twisted pair cable, and terminals must be parallel with 0.1uf and 47uf capacitors at 20MHZ bandwidth. 3. Accuracy: includes setting error, linear regulation rate, and load regulation rate. 4. Measurement method for linear regulation rate: test from low voltage to high voltage at rated load. 5. Measurement method for load regulation rate: from 0% to 100% rated load. 6. The power supply should be considered as part of the system components and needs to be confirmed for electromagnetic compatibility related issues when combined with the end equipment.	

5. Dimensional drawing

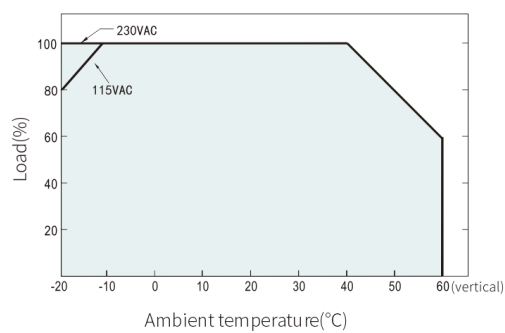


6. Block diagram



7.

Load reduction curve



Static characteristic curve

