



Features:

- Universal AC input / Full range
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- 100% full load burn-in test
- 2 years warranty

SPECIFICATION

₹10 US CBC€

MODEL		NED-35A		NED-35B		
	OUTPUT NUMBER	CH1	CH2	CH1	CH2	
OUTPUT	DC VOLTAGE	5V	12V	5V	24V	
	RATED CURRENT	4A	1A	2.2A	1A	
	CURRENT RANGE Note.6	0.5 ~ 5A	0.1 ~ 1.5A	0.5 ~ 4A	0.2 ~ 1.3A	
	RATED POWER	32W		35W		
	RIPPLE & NOISE (max.) Note.2	80mVp-p	120mVp-p	80mVp-p	200mVp-p	
	VOLTAGE ADJ. RANGE	CH1: 4.75 ~ 5.5V		CH1: 4.75 ~ 5.5V		
	VOLTAGE TOLERANCE Note.3	±2.0%	±6.0%	±2.0%	±6.0%	
	LINE REGULATION Note.4	±0.5%	±1.0%	±0.5%	±1.0%	
	LOAD REGULATION Note.5	±1.5%	±3.0%	±1.5%	±3.0%	
	SETUP, RISE TIME	500ms, 30ms/230VAC 120	0ms, 30ms/115VAC at full load			
	HOLD UP TIME (Typ.)	50ms/230VAC 10ms/115VAC at full load				
INPUT	VOLTAGE RANGE	85 ~ 264VAC 120 ~ 370VDC				
	FREQUENCY RANGE	47 ~ 63Hz				
	EFFICIENCY (Typ.)	78%		81%		
	AC CURRENT (Typ.)	0.75A/115VAC 0.5 A/230VAC				
	INRUSH CURRENT (Typ.)	COLD START 45A				
	LEAKAGE CURRENT	<2mA / 240VAC				
PROTECTION		110 ~ 150% rated output power				
	OVERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed				
		CH1: 5.75 ~ 6.75V				
	OVER VOLTAGE	Protection type : Shut down o/p	voltage, re-power on to recover			
ENVIRONMENT	WORKING TEMP.	-20 ~ +60°C (Refer to output load derating curve)				
	WORKING HUMIDITY	20 ~ 90% RH non-condensing				
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH				
	TEMP. COEFFICIENT	±0.03%/°C (0~45°C)				
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes				
SAFETY & EMC (Note 7)	SAFETY STANDARDS	UL60950-1, CB(IEC60950-1) Approved				
	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				
	EMI CONDUCTION & RADIATION	Compliance to EN55022 (CISPR22) Class B				
	HARMONIC CURRENT	Compliance to EN61000-3-2,-3				
	EMS IMMUNITY	Compliance to EN61000-4-2, 3, 4, 5, 6, 8,11, ENV50204, EN55024, EN61000-6-1 Light industry level, criteria A				
OTHERS	MTBF	402.7Khrs min. MIL-HDBK-217F (25°C)				
	DIMENSION	99*97*36mm (L*W*H)				
	PACKING	0.36Kg; 45pcs/17.2Kg/0.93CUFT				
NOTE	Ripple & noise are measure Tolerance : includes set up Line regulation is measure Load regulation is measure Each output can work within	All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. Tolerance: includes set up tolerance, line regulation and load regulation. Line regulation is measured from low line to high line at rated load. Load regulation is measured from 20% to 100% rated load, and other output at 60% rated load. Each output can work within current range. But total output power can't exceed rated output power. 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.				



