

## Specification

No.	Items	Unit	Model : NLS5000-160
			Vo
1	Nominal Output Voltage	V	160
2	Maximum Output Current	A	31.25
3	Minimum Output Current	A	0
4	Max Output Power	W	5000
5	Efficiency (typ) (*1)	%	90
6	Input Voltage & Frequency Range	-	187 ~ 264VAC, 47 ~ 63Hz
7	Input Current (typ)	A	30
8	Inrush Current (typ) (*2)	A	30 @ Cold Start
9	Power Factor (typ) (*2)	-	0.99
10	Ripple & Noise (max) (*3)	% p-p	1
11	Line Regulation (max) (*4)	%	0.5
12	Load Regulation (max) (*5)	%	0.5
13	Temperature Coefficient (max) (*6)	% / °C	0.02
14	Over Current Protection (min) (*7)	%	102
15	Over Voltage Protection (*8)	V	176 ~ 192
16	Remote Sensing	-	Yes
17	Over Temperature Protection (*8)	-	Yes
18	Turn On Time (max) (*9)	s	2
19	Remote ON/OFF (*10)	-	Yes
20	Power Fail Signal (Loss Of AC) (*11)	-	Yes
21	Output Power Good (Loss Of DC Output) (*12)	-	Yes
22	Operating Temperature, Humidity	°C,%RH	0~+50, 20~95 (Non-condensing)
23	Storage Temperature, Humidity	°C,%RH	-25~+85, 20~95 (Non-condensing)
24	Cooling	-	Internal Forced Air
25	Withstand Voltage	-	Input - Output ... 2121VDC 5sec. Input - Chassis ... 2121VDC 5sec.
26	EMI (Radiated & Conducted Emission)	-	Designed to meet EN55022, Level A
27	Safety Standard	-	UL60950-1, CSA60950-1 & EN60950-1
28	Weight	kg	< 8
29	Size (W x H x D) (*13)	inch	5 x 5 x 17 (Refer to outline drawing)
		mm	127 x 127 x 432 (Refer to outline drawing)
30	Warranty	-	1 year

**Note :**

- \*1. At Vin = 230VAC, 80% load & Ta=25°C.
- \*2. At Vin = 230VAC, maximum output power (unless otherwise specified) & Ta=25°C.
- \*3. Bandwidth of scope : 20MHz
- \*4. From Vin = 187 ↔ 264Vac, constant load.
- \*5. From 0% load ↔ 100% load, constant input voltage.
- \*6. From Ta = 0 → 50°C.
- \*7. Constant current limit with automatic recovery.
- \*8. Output shut down & to be reset by AC re-cycle.
- \*9. Measure from the time AC is turn on.
- \*10. More than 2V or open circuit will inhibit the supply. Less than 0.5V will enable the supply.
- \*11. Upon loss of AC line, signal pulls low before loss of output regulation. LED on is AC good & off is fault condition. No internal pull up is provided.
- \*12. Signal pulls low when output drops more than 15% ± 5% of the nominal. LED on is DC good & off is fault condition. No internal pull up is provided.
- \*13. Exclude the I/O Connectors.