

**NNS30**

SPECIFICATIONS

IA501-01-011

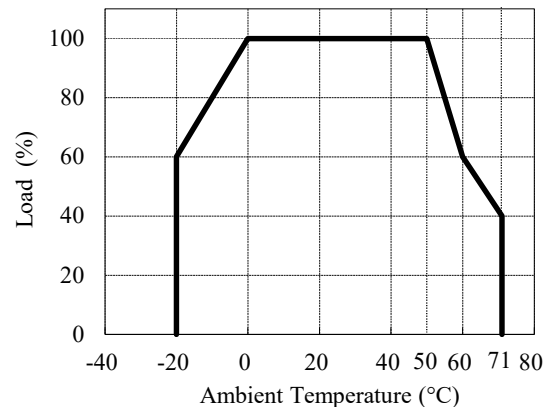
ITEMS		MODEL	NNS30-5	NNS30-12	NNS30-15	NNS30-24	NNS30-48	
1	Nominal Output Voltage	V	5	12.0	15.0	24.0	48.0	
2	Maximum Output Current	A	6	4.0	3.4	2.3	1.1	
3	Maximum Output Power	W	30	48	51	55.2	52.8	
4	Efficiency (Typ.)	(*1) %	35	45	46	50	54	
5	Input Voltage Range	(*2) -	100 : 85 ~ 115VAC 200 : 170 ~ 230VAC				115 : 98 ~ 132VAC 230 : 195 ~ 265VAC	
			47 ~ 440Hz					
6	Input Current (Typ.)	(*1) A	1.14	1.41	1.47	1.35	1.35	
7	In-rush Current (Typ.)	-	20A at 100VAC 10A at 200VAC, cold start					
8	Output Voltage Range	-	±10 %					
9	Maximum Ripple & Noise	(*3) -	1mV RMS 3mV p-p					
10	Maximum Line Regulation	mV	0.5	1.2	1.5	2.4	4.8	
11	Maximum Load Regulation	mV	1.5	3.6	4.5	7.2	14.4	
12	Over Current Protection	(*4) A	6.30 ~ 7.80	4.20 ~ 5.20	3.57 ~ 4.42	2.42 ~ 3.00	1.15 ~ 1.43	
13	Over Voltage Protection Crowbar Type	(*6) V	6.0 ~ 7.2	14.5 ~ 17.2	18.1 ~ 21.5	29.0 ~ 34.3	58.1 ~ 68.6	
14	Remote Programming	-	Volt/Volt, 1000Ω/Volt typ. +S to +LS Terminals					
15	Remote Sensing	-	Possible, Via +S, -S Terminals					
16	Remote ON/OFF Control	-	-					
17	Parallel Operation	-	Possible, current sharing with single connection Via PC terminal					
18	Series Operating	-	Possible					
19	Operating Temperature	-	-20 ~ 71°C, -20°C : 60%, 0 ~ 50°C : 100%, 60°C : 60%, 71°C : 40%					
20	Operating Humidity	-	30 ~ 95% RH (No Condensing)					
21	Storage Temperature	-	-40 ~ +85°C					
22	Storage Humidity	-	10 ~ 95% RH (No Condensing)					
23	Cooling	-	Convection Cooling					
24	Temperature Coefficient	(*1) -	0.02% / °C					
25	Withstand Voltage	-	Input - Output : 3.75kVAC, Input - Chassis : 2.5kVAC for 1 min. at 20mA					
26	Isolation Resistance	-	More than 100MΩ at DC 500V at 25°C and 70% RH for 1 min.					
27	Vibration	-	10 ~ 55Hz (sweep 1 min) less than 19.6m/s <sup>2</sup> X,Y,Z 1hour. each					
28	Shock	-	Less than 196m/s <sup>2</sup>					
29	EMI	-	Designed to meet EN 55032-1, CISPR-32, FCC Part 15, VCCI-class B					
30	Safety	-	IEC/UL/CSA 60950-1, Designed to meet IEC 62368-1					
31	Weight (Typ.)	-	2930g					
32	Size (W x H x D)	(*5) mm	80 x 124 x 178					

\*Read instruction manual carefully, before using the power supply unit.

=NOTES=

- \*1 : At 100 VAC and maximum Output Power.
- \*2 : For cases where conformance to various safety specs. (UL, UL-C, , etc.) are required, input voltage will be 250VAC max. and frequency range 47 ~ 63Hz.
- \*3 : Floating output or grounded +V or -V Terminal.
- \*4 : Foldback current limit with automatic recovery for each output.
- \*5 : See Outline Drawings.
- \*6 : For each output -  
OVP circuit will shut down output, manual reset. (Line recycle)

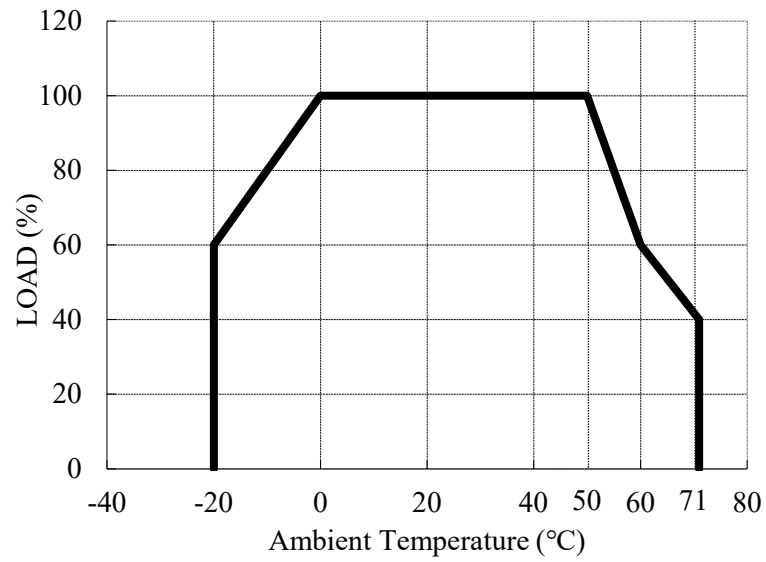
OUTPUT DERATING



OUTPUT DERATING

Ta (°C)	LOAD (%)
	MOUNTING A
-20	60
-10	80
0 ~ +50	100
60	60
71	40

OUTPUT DERATING CURVE



MOUNTING A

(STANDARD MOUNTING)

