NNS50

SPECIFICATIONS

IA507-01-01I

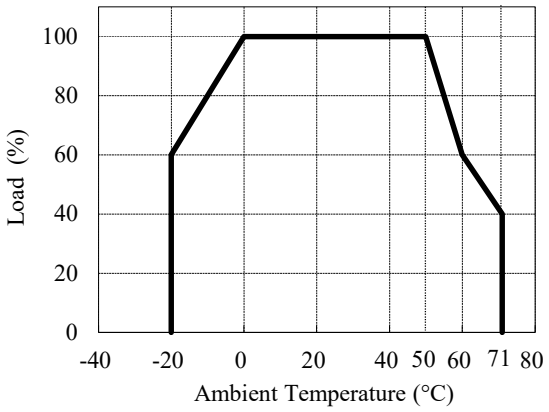
	ITEMS / MODEL			NNS50-5	NNS50-12	NNS50-15	NNS50-24
1	Nominal Output Voltage		V	5	12.0	15.0	24.0
2	Maximum Output Current		A	10	6.5	5.5	3.8
3	Maximum Output Power		W	50	78	82.5	91.2
4	Efficiency (Typ.)	(*1)	%	42	51	53	56
5	Input Voltage Range	(*2)	-	100 : 85 ~ 115VAC 200 : 170 ~ 230VAC 47 ~ 440Hz		115 : 98 ~ 132VAC 230 : 195 ~ 265VAC	
6	Input Current (Typ.)	(*1)	A	1.50	2.0	2.0	2.20
7	In-rush Current (Typ.)		-	60A at 100VAC 40A 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
11	Maximum Load Regulation		mV	1.5	3.6	4.5	7.2
12	Over Current Protection	(*4)	A	10.5 ~ 13.0	6.8 ~ 8.45	5.8 ~ 7.15	4.0 ~ 4.94
13	Over Voltage Protection Crowbar Type	(*6)	V	6.0 ~ 7.2	14.5 ~ 17.2	18.1 ~ 21.5	29.0 ~ 34.3
14	Remote Programming		-	Volt/Volt, 1000Ω/Volt typ. RP to -V Terminals			
15	Remote Sensing		-	Possible, Via +S, -S Terminals			
16	Remote ON/OFF Control		-	Possible			
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^2 X,Y,Z 1hour. each			
28	Shock		-	Less than 196m/s^2			
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.)		-	4200g			
32	Size (W x H x D)	(*5)	mm	97 x 113 x 200			

*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



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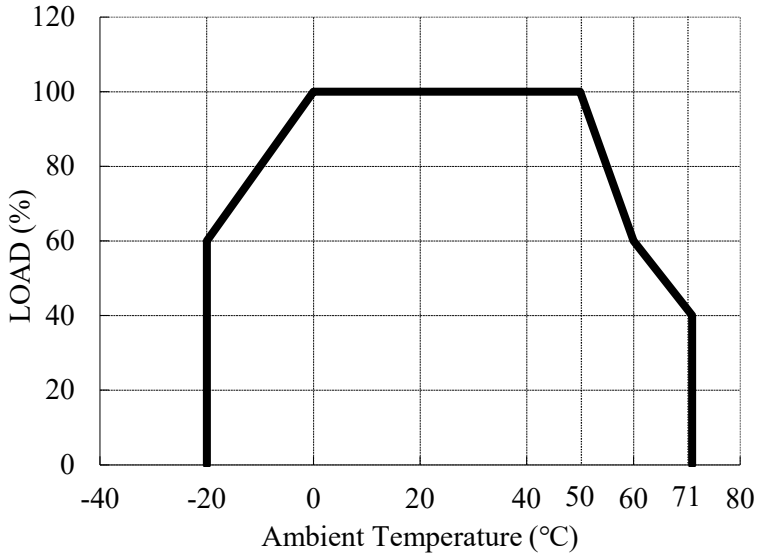
OUTPUT DERATING

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

OUTPUT DERATING CURVE



MOUNTING A

(STANDARD MOUNTING)