

**NNS15**

SPECIFICATIONS

IA500-01-011

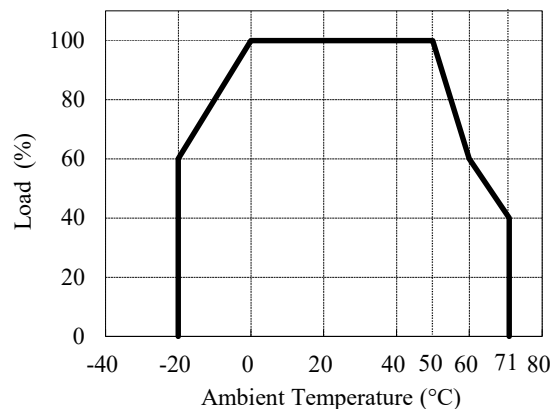
ITEMS		MODEL	NNS15-5	NNS15-12	NNS15-15	NNS15-24
1	Nominal Output Voltage	V	5	12.0	15.0	24.0
2	Maximum Output Current	A	3	1.7	1.4	0.9
3	Maximum Output Power	W	15	20.4	21	21.6
4	Efficiency (Typ.)	(*1) %	35	45	46	50
5	Input Voltage Range	(*2) -	100 : 85 ~ 115VAC 200 : 170 ~ 230VAC		115 : 98 ~ 132VAC 230 : 195 ~ 265VAC	
			47 ~ 440Hz			
6	Input Current (Typ.)	(*1) A	0.55	0.58	0.59	0.55
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
11	Maximum Load Regulation	mV	1.5	3.6	4.5	7.2
12	Over Current Protection	(*4) A	3.15 ~ 3.90	1.79 ~ 2.20	1.47 ~ 1.82	0.95 ~ 1.17
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. +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.)	-	1750g			
32	Size (W x H x D)	(*5) mm	60 x 124 x 124			

\*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)

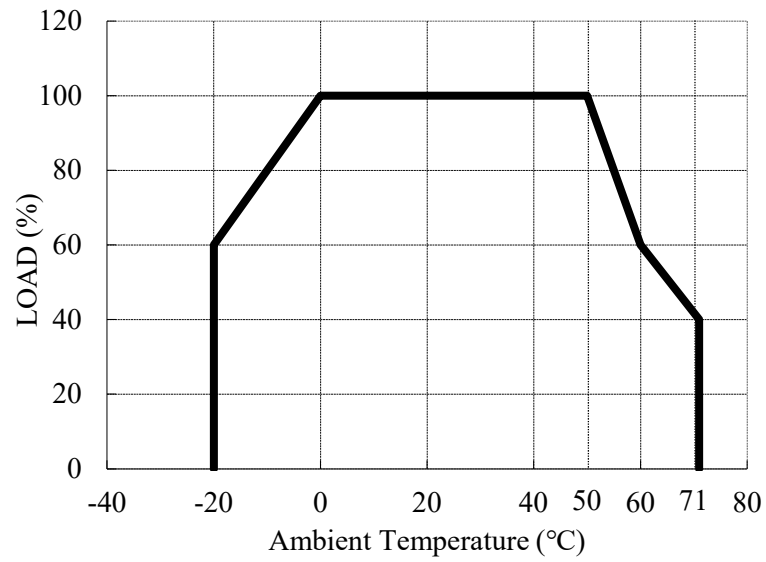
OUTPUT DERATING



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)

