

**NND30**

SPECIFICATIONS

IA503-01-01J

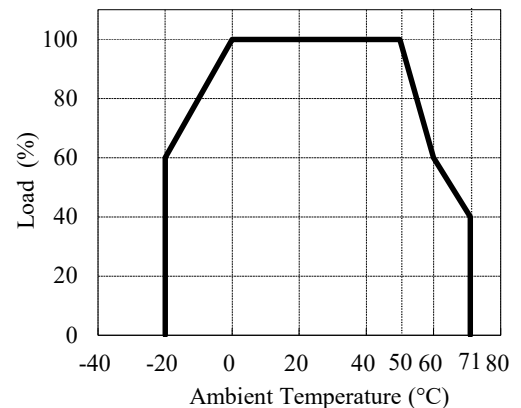
ITEMS		MODEL	NND30-1212	NND30-1515
1	Nominal Output Voltage	V	±12	±15
2	Maximum Output Current	A	1.6	1.3
3	Maximum Output Power	W	38.4	39
4	Efficiency (Typ.)	(*1) %	45	45
5	Input Voltage Range	(*2) -	100 : 85 ~ 115VAC 200 : 170 ~ 230VAC	115 : 98 ~ 132VAC 230 : 195 ~ 265VAC
6	Input Current (Typ.)	(*1) A	47 ~ 440Hz 1.5	
7	In-rush Current (Typ.)	-	20A at 100VAC 10A at 200VAC, cold start	
8	Output Voltage Range	%	±10 Adjustable for Each Output	
9	Maximum Ripple & Noise	(*3) mV	1mV RMS 3mV p-p Each Output	
10	Maximum Line Regulation	mV	1.2	1.5
11	Maximum Load Regulation	mV	3.6	4.5
12	Maximum Cross Regulation	mV	3.6	4.5
13	Over Current Protection	(*4) A	1.68 ~ 2.10	1.37 ~ 1.70
14	Over Voltage Protection Crowbar Type	(*5) V	14.5 ~ 17.2	18.1 ~ 21.5
15	Remote Programming	-	-	
16	Remote Sensing	-	-	
17	Remote ON/OFF Control	-	-	
18	Parallel Operation	-	-	
19	Series Operating	-	Non for different units. Possible for two outputs of same unit. Refer to instruction manual.	
20	Operating Temperature	-	-20 ~ 71°C, -20°C : 60%, 0 ~ 50°C : 100%, 60°C : 60%, 71°C : 40%	
21	Operating Humidity	-	30 ~ 95% RH (No Condensing)	
22	Storage Temperature	-	-40 ~ 85°C	
23	Storage Humidity	-	10 ~ 95% RH (No Condensing)	
24	Cooling	-	Convection Cooling	
25	Temperature Coefficient	(*1) -	0.02% / °C	
26	Withstand Voltage	-	Input - Output : 3.75kVAC, Input - Chassis : 2.5kVAC for 1 min. at 20mA	
27	Isolation Resistance	-	More than 100 MΩ at DC 500V at 25°C and 70% RH for 1 min.	
28	Vibration	-	10 ~ 55Hz (sweep 1 min) less than 19.6m/s <sup>2</sup> X,Y,Z 1hour. each	
29	Shock	-	Less than 196m/s <sup>2</sup>	
30	EMI	-	Designed to meet EN 55032-1, CISPR-32, FCC Part 15, VCCI-class B	
31	Safety	-	IEC/UL/CSA 60950-1, Designed to meet IEC 62368-1	
32	Weight (Typ.)	-	2750g	
33	Size (W x H x D)	(*6) mm	80 x 113.5 x 164	

\*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 : For each output -OVP circuit will shut down output, manual reset.(Line recycle)
- \*6 : See Outline Drawings.

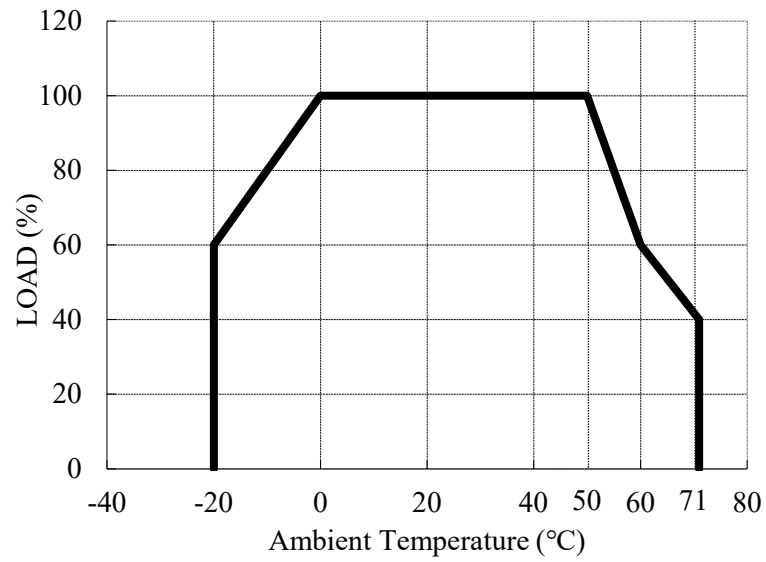
OUTPUT DERATING



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)

