

**RWS100A SPECIFICATIONS**

**DENSEI-LAMBDA**

PA763-01-01 C

Items		Model	RWS100A- 5	RWS100A-12	RWS100A-15	RWS100A-24	RWS100A-48
1	Nominal Output Voltage	V	5	12	15	24	48
2	Maximum Output Current	A	20	8.5	7	4.5	2.1
3	Maximum Output Power	W	100	102	105	108	100.8
4	Efficiency (Typ)	(*1) %	78	80	82	84	84
5	Input Voltage Range	(*2) -	85~132VAC/170~265VAC (47~440Hz) selectable or 230~330VDC				
6	Input Current (Typ)	(*3) -	100VAC - 2.2A , 200VAC - 1.2A				
7	Inrush Current (Typ)	(*4) -	15A at 100VAC , 30A at 200VAC				
8	Output Voltage Range	-	±10%				
9	Maximum Ripple & Noise	mV	120	150			200
10	Maximum Line Regulation	(*5) mV	20	48	60	96	192
11	Maximum Load Regulation	(*6) mV	40	100	120	150	250
12	Over Current Protection	(*7) A	21~	8.9~	7.3~	4.7~	2.2~
13	Over Voltage Protection	(*8) V	5.75~6.75	13.8~16.2	17.3~20.3	27.6~32.4	55.2~64.8
14	Hold-Up Time (Typ)	(*9) -	20mS				
15	Remote Sensing	-	Possible				
16	Series Operation	-	Possible				
17	Operating Temperature	(*10) -	0~50°C (100%) , 60°C (50%)				
18	Operating Humidity	-	30%~90% RH				
19	Storage Temperature	-	-30~+85°C				
20	Storage Humidity	-	10%~95%RH				
21	Cooling	-	Convection Cooled				
22	Temperature Coefficient	-	1% (Typ) at 0 ~ 50°C				
23	Withstand Voltage	(*11) -	Input-Chassis : 2kVAC , Input-Output : 3kVAC Output-Chassis : 500VAC 1min each				
24	Isolation Resistance	-	More than 100MΩ at 25°C and 70%RH Output-FG 500VDC				
25	Vibration	-	10~55Hz (sweep 1min) Less than 19.6m/s <sup>2</sup> X,Y,Z 1h each				
26	Shock	-	Less than 196.1m/s <sup>2</sup>				
27	Safety	-	<i>Approved by UL1950, CSA 950, EN60950 Built to meet DENTOKI</i>				
28	Conducted Radio Noise	-	Built to meet FCC class A				
29	Weight	-	690g				
30	Size (W*H*D)	-	50mm x 93mm x 188mm Refer to Outline Drawing				

Notes:

- \*1 : At 100VAC/ 200VAC and Maximum Output Power, Ta = 25°C.
- \*2 : For cases where conformance to various safety specs (UL, CSA, VDE) are required, to be described as 100~120VAC, 200~240VAC, 50/60Hz on name plate.
- \*3 : At 100VAC or 200VAC & Maximum Output Power.
- \*4 : When resuming operation in less than 10 sec. after power failure at no load, softstart circuit will not limit the inrush current at turn-on.
- \*5 : From 85~132/170~265VAC, or 230~330VDC constant load.
- \*6 : From No-Load to Full Load, Constant Input Voltage.
- \*7 : Foldback current limiting with automatic recovery.  
Avoid to operate overload or dead short for 30 seconds.
- \*8 : Inverter shut-down method, manual reset.
- \*9 : At 100VAC, Nominal Output Voltage & Maximum Output Current, Ta = 25°C.
- \*10 : At Vertical Mounting.
  - Load (%) is percent of Maximum Output Power or Maximum Output Current, whichever is greater.
  - refer to instruction manual for further mounting details.
- \*11 : Refer to instruction manual for testing procedure.

# RWS 100A OUTPUT DERATING

NEMIC-LAMBDA

## OPEN FLAME (NO COVER)

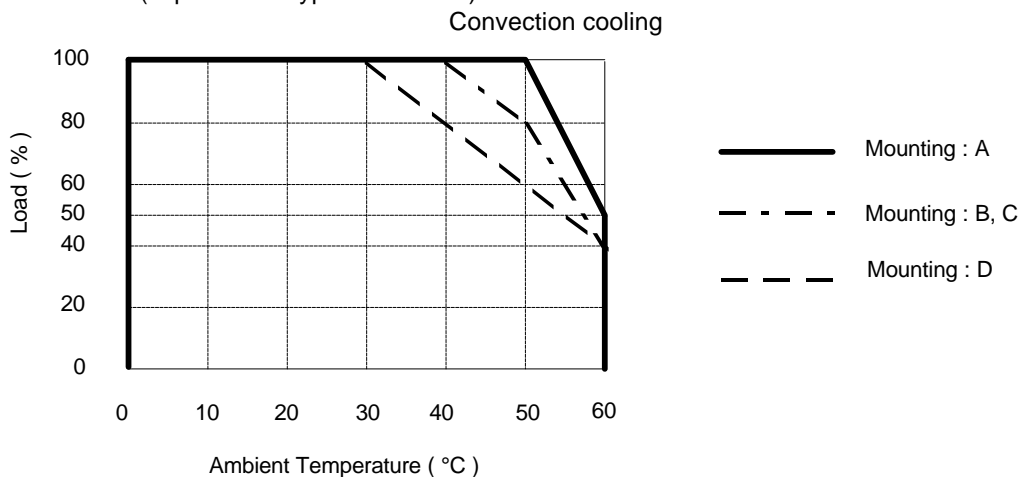
Ta(°C)	LOAD(%)			
	MOUNTING : A	MOUNTING : B	MOUNTING : C	MOUNTING : D
0 ~ +30	100	100	100	100
40	100	100	100	80
50	100	80	80	60
60	50	40	40	40

## WITH COVER (OPTION)

Ta(°C)	LOAD(%)			
	MOUNTING : A	MOUNTING : B	MOUNTING : C	MOUNTING : D
0 ~ +30	100	100	100	100
40	100	70	70	70
50	80	60	60	60
60	40	40	40	40

## OUTPUT DERATING CURVE

( Open flame type : No cover )



MOUNTING : A

MOUNTING : B

MOUNTING : C

MOUNTING : D

DON'T USE

(STANDARD MOUNTING)

