

PA752-01-01 C

Items	Model	RWS300A-3	RWS300A-5	RWS300-12	RWS300A-15	RWS300A-24	
1	Nominal Output Voltage	V	3	5	12	15	24
2	Maximum Output Current	A	60	60	26	21	13
3	Maximum Output Power	W	180	300	312	315	312
4	Efficiency (Typ)	(*1) %	71	76	78	78	82
5	Input Voltage Range	(*2) -	85~265VAC (47-63Hz)				
6	Input Current (Typ)	(*10) -	4.0/2.0A AT 100/200VAC				
7	Power Factor (Typ)	(*10) -	0.95				
8	Inrush Current (Typ)	(*9) -	14/28A AT 100/200VAC				
9	Output Voltage Range	%	±10				
10	Maximum Ripple & Noise	(*11) mV	150	150	180	180	240
11	Maximum Line Regulation	(*3) mV	20	20	30	30	40
12	Maximum Load Regulation	(*4) mV	20	20	30	30	40
13	Maximum Temperature Drift	(*5) mV	50	50	120	150	240
14	Over Current Protection	(*6) A	63 ~ 75	63 ~ 75	27.3 ~ 32.5	22.1 ~ 26.2	13.7 ~ 16.2
15	Over Voltage Protection	(*7) V	3.6 ~ 4.2	6.0 ~ 7.0	14.4 ~ 16.8	18.0 ~ 21.0	28.0 ~ 32.0
16	Hold-Up Time (Typ)	(*1) ms	20				
17	Remote Sensing	-	Possible				
18	Remote On/Off Control	-	Possible				
19	Parallel Operation	-	-				
20	Series Operation	-	Possible				
21	Operating Temperature	(*8) -	-10~60°C Convection : -10~40°C(100%), 50°C(75%),60°C(50%) Forced Air : -10~50°C(100%), 60°C(75%),70°C(50%)				
22	Operating Humidity	-	30~90%RH				
23	Storage Temperature	-	-30~85°C				
24	Storage Humidity	-	10~95%RH				
25	Cooling	-	Convection Cooling				
26	Withstand Voltage	-	Input-Output : 3.0kVAC, Input-Chassis : 2.0kVAC (Leakage Current Range = 20mA) Output-Chassis : 500VAC (Leakage Current Range = 100mA) 1 min Each				
27	Isolation Resistance	-	More than 100MΩ at 25°C and 70%RH Output-FG 500VDC				
28	Vibration	-	10~55Hz Amplitude (sweep 1min) Less than 19.6m/s ² X, Y, Z 1h each				
29	Shock	-	Less than 196.1m/s ²				
30	Safety	-	Approved by UL1950, CSA950, EN60950, Built to meet DENTORI				
31	Weight	g	2200				
32	Size (W*H*D)	mm	50 x 121 x 298 (Refer to Outline Drawing)				

Notes:

- *1 : At 100VAC and Maximum Output Power.
- *2 : For cases where conformance to various safety specs (UL, CSA, EN) are required, to be described as 100~240VAC, 50/60Hz on name plate.
- *3 : From 85~265VAC, Full Load.
- *4 : From No Load - Full Load (Maximum Power), Constant input voltage.
- *5 : From -10 ±40°C, Constant input voltage and load.
- *6 : Foldback current limiting with automatic recovery.
Avoid to operate overload or dead short for 30 seconds.
- *7 : OVP Circuit will shutdown output, manual reset.
- *8 : At standard mounting method.
- *9 : When resuming operation in less than 5 seconds after power failure at no load soft start circuit will not limit the inrush current at turn on.
- *10 : At 100VAC or 200VAC and maximum output power.
- *11 : JEITA RC-9131 probe and 100MHz bandwidth oscilloscope.

RWS 300A OUTPUT DERATING

NEMIC-LAMBDA

PA752-01-02

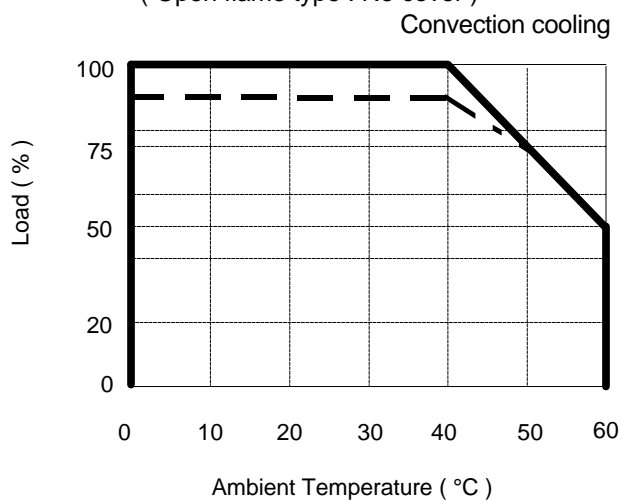
OPEN FLAME (NO COVER) convection cooling

Ta(°C)	LOAD(%)	
	MOUNTING : A	MOUNTING : B
0 ~ +30	100	90
40	100	90
50	75	75
60	50	50

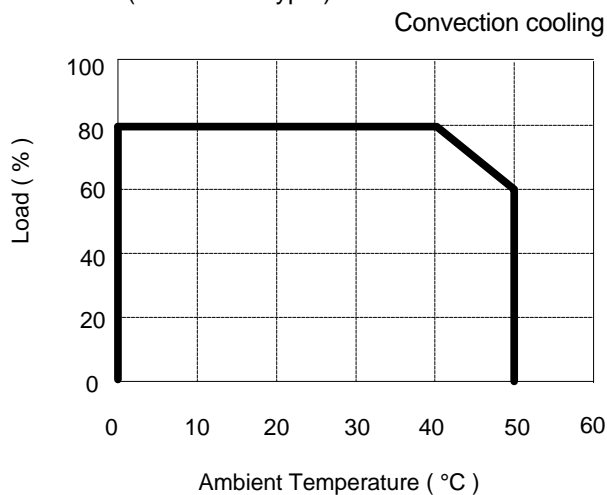
WITH COVER (OPTION) convection cooling



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

OUTPUT DERATING CURVE
(Open flame type : No cover)



OUTPUT DERATING CURVE
(With cover type)



 Mounting : A
 Mounting : B

MOUNTING : A
(STANDARD MOUNTING)

MOUNTING : B

