RWS450A SPECIFICATIONS

DENSEI-LAMBDA

PA753-01-01 C

Items / Model				RWS450A-3	RWS450A-5	RWS450-12	RWS450A-15	RWS450A-24
1	Nominal Output Voltage		V	3	5	12	15	24
2	Maximum Output Current		A	90	90	40	32	20
3	Maximum Output Power		W	270	450	480	480	480
4	Efficiency (Typ)	(*1)	%	71	76	78	78	82
5	Input Voltage Range	(*2)	-	85~265VAC (47-63Hz)				
6	Input Current (Typ)	(*10)	-	6.2 /3.1A 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	94.5 ~ 103.5	94.5 ~ 103.5	42.0 ~ 46.0	33.6 ~ 36.8	21.0 ~ 23.0
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	Strorage Temperature		-	-30~85°C				
24	Strorage 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	2800				
32	Size (W*H*D)		mm	50 x121 x 394 (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 bandwith oscilloscope.

RWS 450A OUTPUT DERATING

NEMIC-LAMBDA

PA753-01-02

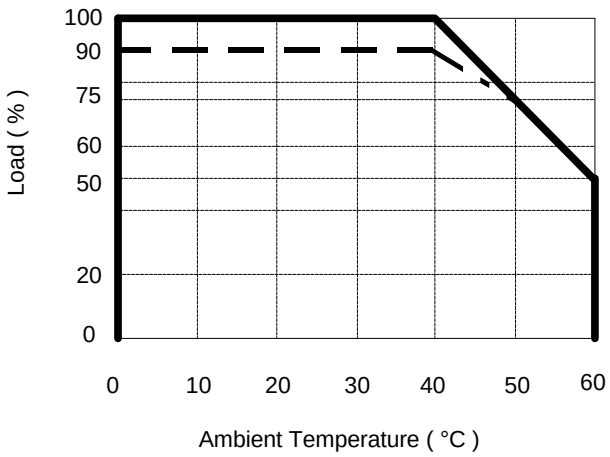
OPEN FLAME (NO COVER) convection cooling

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

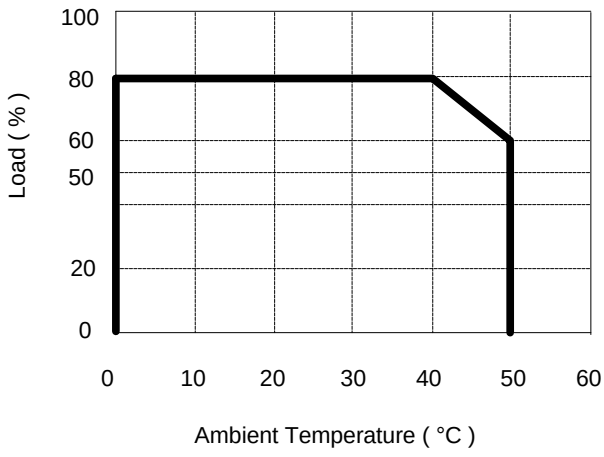
WITH COVER (OPTION) convection cooling

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)
Convection cooling



OUTPUT DERATING CURVE
(With cover type)
Convection cooling



Mounting : A

Mounting : B

MOUNTING : A
(STANDARD MOUNTING)

MOUNTING : B