

RWS 50A

SPECIFICATIONS

PA762-01-01D

MODEL		RWS50A	RWS50A	RWS50A	RWS50A	RWS50A	RWS50A	
ITEMS		-5	-12	-15	-24	-36	-48	
1	Nominal Output Voltage	V	5	12	15	24	36	48
2	Maximum Output Current	A	10	4.2	3.4	2.1	1.4	1
3	Maximum Output Power	W	50	50.4	51.0	50.4	50.4	48
4	Efficiency (Typ) (*1)	%	74	77	78	81	81	81
5	Input Voltage Range (*2)	-	85-132VAC or 170-265VAC (47-440Hz) selectable or 230 - 330VDC					
6	Input Current (Typ) (*3)	-	100VAC - 1.2A, 200VAC - 0.61A					
7	Inrush Current(Typ) (*4)	-	16A at 100VAC or 32A at 200VAC					
8	Output Voltage Range	-	±10%					
9	Maximum Ripple & Noise	mV	120	150	150	200	250	300
10	Maximum Line Regulation (*5)	mV	20	48	60	96	144	192
11	Maximum Load Regulation (*6)	mV	40	100	120	150	200	250
12	Over Current Protection (*7)	A	10.5 ~	4.41 ~	3.57 ~	2.21 ~	1.47 ~	1.05 ~
13	Over Voltage Protection (*8)	V	5.75-6.75	13.8-16.2	17.3-20.3	27.6-32.4	41.4-48.6	55.2-64.8
14	Hold-up Time (Typ) (*9)	-	20ms					
15	Remote Sensing	-	-					
16	Series Operation	-	Possible					
17	Operating Temperature (*10)	-	0 ~+60°C (0 ~+50°C:100%, +60°C:60%)					
18	Operating Humidity	-	30 ~ 90%RH					
19	Storage Temperature	-	-30 ~ +85°C					
20	Storage Humidity	-	10 ~ 95%RH					
21	Cooling	-	Convection Cooling					
22	Temperature Coefficient	-	1% (Typ) at 0 ~+50°C					
23	Withstand Voltage (*11)	-	Input - Chassis : 2kVAC, Input - Output : 3kVAC Output - Chassis : 500VAC 1min					
24	Isolation Resistance	-	More than 100Mohm at 25°C and 70%RH Output - FG... 500VDC					
25	Vibration	-	10-55Hz (Sweep for 1min) Less than 19.6m/s ² X,Y,Z 1h each					
26	Shock	-	Less than 196.1m/s ²					
27	Safety	-	Approved by UL1950, CSA950, EN60950 Built to meet DENTORI					
28	Conducted Radio Noise	-	Built to meet FCC-ClassB					
29	Weight	-	380g					
30	Size (WxHxD)	mm	37 x 97 x 159 (Refer to Outline Drawing)					

=NOTES=

- *1. At 100VAC 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 and maximum output power.
- *4. Typical value on cold start, Ta=25°C.
- *5. From 85-132/170-265VAC or 230-330VDC, constant load.
- *6. From No load-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 and maximum output current, Ta=25°C.
- *10. At vertical mounting.
- *11. Refer to instruction manual for testing procedure.

RWS 50A OUTPUT DERATING

NEMIC-LAMBDA

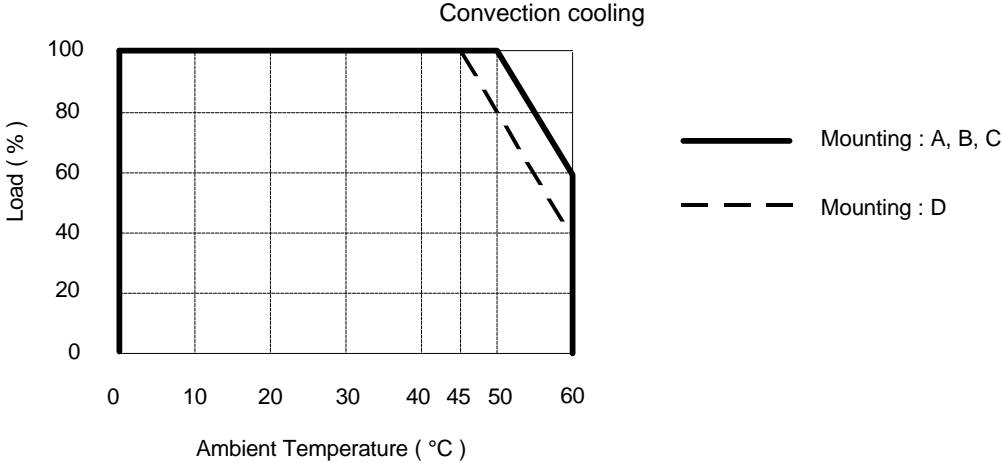
OPEN FLAME (NO COVER)

Ta(°C)	LOAD(%)			
	MOUNTING : A	MOUNTING : B	MOUNTING : C	MOUNTING : D
0 ~ +30	100	100	100	100
40	100	100	100	100
45	100	100	100	90
50	100	100	100	80
60	60	60	60	40

WITH COVER (OPTION)

Ta(°C)	LOAD(%)			
	MOUNTING : A	MOUNTING : B	MOUNTING : C	MOUNTING : D
0 ~ +30	100	100	100	100
40	100	80	80	60
45	100	80	80	50
50	80	60	60	40
60	50	40	40	-

OUTPUT DERATING CURVE (Open flame type : No cover)



MOUNTING : A
(STANDARD)

MOUNTING : B

MOUNTING : C

MOUNTING : D

DON'T USE

