

RWS 30A Specifications

NEMIC-LAMBDA

*:For delivery, contact to our sales office.

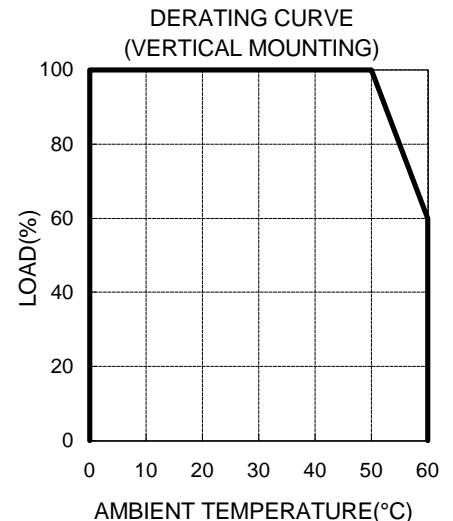
PA761-01-01C

| ITEMS | | MODEL | RWS30A -5 | RWS30A -12 | RWS30A -15 | RWS30A -24 | RWS30A -48 |
|-------|------------------------------|---------|---|---------------|---------------|---------------|---------------|
| 1 | Nominal Output Voltage | V | 5 | 12 | 15 | 24 | 48 |
| 2 | Maximum Output Current | A | 6 | 2.5 | 2 | 1.3 | 0.6 |
| 3 | Maximum Output Power | W | 30 | 30 | 30 | 31.2 | 28.8 |
| 4 | Efficiency (Typ) (*1) | % | 72 | 77 | 79 | 81 | 81 |
| 5 | Input Voltage Range (*2) | - | 85 ~ 265VAC (47 ~ 440Hz) or 110 ~ 330VDC | | | | |
| 6 | Input Current (Typ) (*3) | - | 0.65A at 100VAC or 0.35A at 200VAC | | | | |
| 7 | Inrush Current(Typ) (*4) | - | 20A at 100VAC or 40A at 200VAC | | | | |
| 8 | Output Voltage Range | - | ±10% | | | | |
| 9 | Maximum Ripple & Noise | mV | 120 | 150 | 150 | 200 | 300 |
| 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 | 6.3 ~ | 2.63 ~ | 2.1 ~ | 1.37 ~ | 0.63 ~ |
| 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 | - | — | | | | |
| 16 | Series Operation | - | Possible | | | | |
| 17 | Operating Temperature (*10) | - | 0 ~ +50°C (100%), +60°C (60%) | | | | |
| 18 | Operating Humidity | - | 30 ~ 90%RH (No dewdrop) | | | | |
| 19 | Storage Temperature | - | -30 ~ +85°C | | | | |
| 20 | Storage Humidity | - | 10 ~ 95%RH (No dewdrop) | | | | |
| 21 | Cooling | - | Convection Cooled | | | | |
| 22 | Temperature Coefficient | - | 1% (Typ) at 0°C ~ +50°C | | | | |
| 23 | Withstand Voltage (*11) | - | Input - Chassis : 2kVAC (20mA), Input - Output : 3kVAC (20mA) Output - Chassis : 500VAC (100mA) for 1min | | | | |
| 24 | Isolation Resistance | - | More than 100MΩ at 25°C and 70%RH Output - FG : 500VDC | | | | |
| 25 | Vibration | - | 10 ~ 55Hz Amplitude (Sweep for 1min) Less than 2G X, Y, Z 1hour each. | | | | |
| 26 | Shock | - | Less than 20G | | | | |
| 27 | Safety | UL1950 | Approved by UL | | | | |
| | | CSA950 | Approved by C-UL | | | | |
| | | EN60950 | Approved by TUV | | | | |
| | | DENTORI | Built to meet (Rated input voltage : 100VAC) | | | | |
| 28 | Conducted Radio Noise | - | Built to meet FCC-ClassB. | | | | |
| 29 | Weight | g | 310 | | | | |
| 30 | Size (WxHxD) | mm | 35 x 97 x 121.5 (Refer to Outline Drawing) | | | | |

*Read instruction manual carefully, before using the power supply unit.

=NOTES=

- *1. At 100VAC and maximum output power, Ta=25°C.
- *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. At 100VAC or 200VAC & maximum output power.
- *4. Typical value on cold start, Ta=25°C.
- *5. From 85 ~ 265VAC or 110 ~ 330VDC constant load.
- *6. From No load ~ Full load, constant input voltage.
- *7. Foldback current limiting with automatic recovery.
Avoid to operate over load 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 30A 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 |
| 45 | 100 | 100 | 90 | 70 |
| 50 | 100 | 100 | 80 | 60 |
| 60 | 60 | 60 | 60 | - |

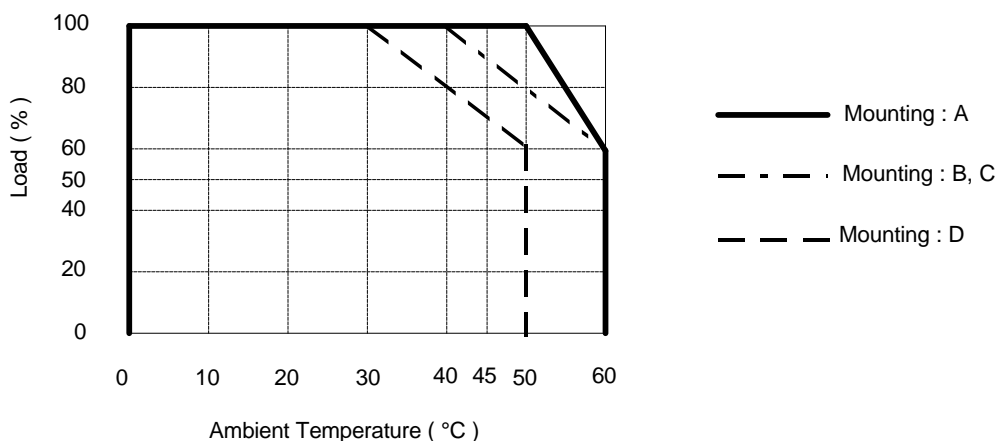
WITH COVER (OPTION)

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

OUTPUT DERATING CURVE

(Open flame type : No cover)

Convection cooling



MOUNTING : A

MOUNTING : B

MOUNTING : C

MOUNTING : D

DON'T USE

(STANDARD MOUNTING)

