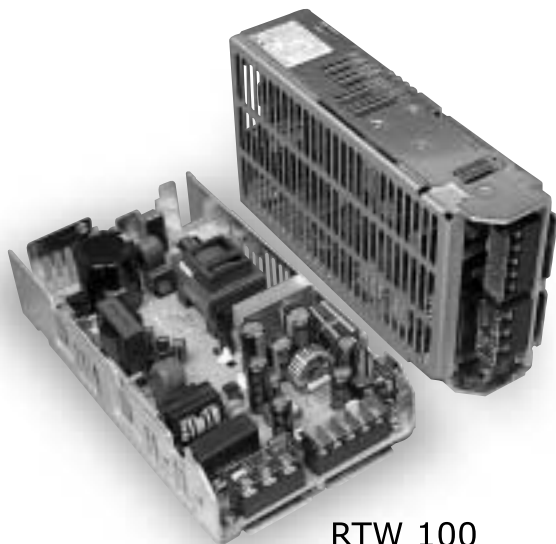
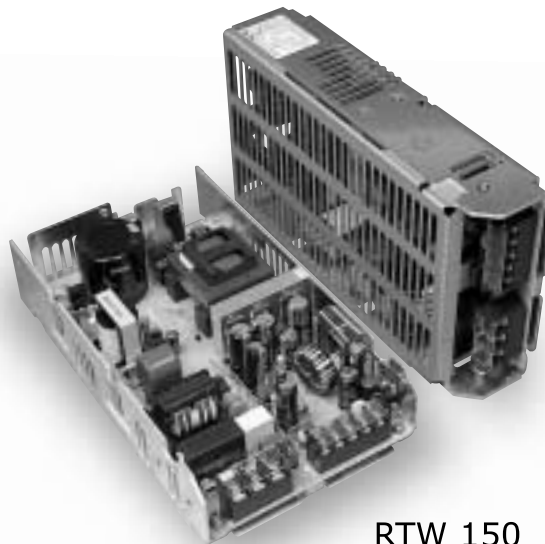


RTW SERIES



RTW 100



RTW 150

FEATURES

- * Resonant switchers, power factor correction and main converter
- * Power factor correction up to 0.99, meeting IEC61000-3-2(EN61000-3-2)
- * 85 to 264VAC universal input
- * High efficiency up to 85%
- * Low EMI, meeting FCC B, CISPR B

SAFETY STANDARDS

- UL1950 Recognized
- CSA22.2 No.950 Certified (cUL)
- EN60950 (TUV Certified)
- CE mark (LVD only)

APPLICATIONS

- *Data/information processing equipment
- *FA control equipment
- *Measuring, inspection and testing equipment
- *Communication equipment
- *Optical equipment



RTW SERIES GENERAL SPECIFICATIONS

| ITEM | |
|------|--|
| 1 | Input voltage range 85V ~ 264VAC |
| 2 | Input frequency range 47Hz ~ 63Hz |
| 3 | Operating temperature -10 ~ 60 (Refer to Output derating) |
| 4 | Operating humidity 30 ~ 90%RH (Non condensing) |
| 5 | Storage temperature -30 ~ 85 |
| 6 | Storage humidity 10 ~ 95%RH (Non condensing) |
| 7 | Cooling Convection or forced air cooling (Refer to Output derating) |
| 8 | Electric strength voltages Input - Output 3000VAC 1 minute , Input - FG 1500VAC 1 minute , Output - FG 500VAC 1 minute |
| 9 | Insulation resistance 100M MIN DC500V 25 70%RH Input - Output, Input - FG, Output - FG |
| 10 | Leakage current 0.5mA MAX (240VAC, 50Hz) |
| 11 | Vibration 10 ~ 55Hz 2G (3 directions each 1 hour) |
| 12 | Shock 20 ms 20G (3 directions each 3 times) |
| 13 | Safety standards UL1950, CSA950(cUL), EN60950(TUV) Approvals |
| 14 | Conduction noise Meeting FCC Class B, EN55022 Class B, VCCI Class B |
| 15 | Harmonic distortion Meeting EN61000-3-2 |
| 16 | Mains surge Meeting EN61000-3-5 Level 3 / 4KV(CM), 2KV(DM) |

RTW100 SPECIFICATIONS

RTW100 SPECIFICATIONS

| ITEM | | RTW100-522 | | | RTW100-5FF | | |
|------|-------------------------------|---|----------|----------|------------|----------|----------|
| 1 | Rated output DC voltage | (1) 5V | (2) +12V | (3) -12V | (1) 5V | (2) +15V | (3) -15V |
| 2 | Rated output DC current | 6A | 5A | 1A | 4A | 4A | 1A |
| 3 | Maximum output power | 102W | | | 105W | | |
| 4 | Efficiency(120/230VAC,TYP) *1 | 80.3% / 80.6% | | | | | |
| 5 | Input current *1 | 1.3A (100VAC), 0.6A (230VAC) | | | | | |
| 6 | Power factor *1 | 0.99 TYP (100VAC), 0.97 TYP (230VAC) | | | | | |
| 7 | Inrush current *2 | 21Apk MAX (120VAC), 42Apk MAX (240VAC) | | | | | |
| 8 | Initial setting accuracy *1 | ± 0.5% MAX(5V,+12V,+15V), ± 5% MAX(-12V,-15V) | | | | | |
| 9 | Maximum ripple noise | 50mVpp(5V load), 70mVpp(± 12V, ± 15V load) | | | | | |
| 10 | Maximum line regulation | ± 0.1% | | | | | |
| 11 | Maximum load regulation | ± 0.5%(5V load), ± 0.2%(± 12V, ± 15V load) | | | | | |
| 12 | Voltage tolerance ratio | ± 3% at line, load, time, temperature | | | | | |
| 13 | Hold-up time *1 | 20ms MiN after last AC line peak | | | | | |
| 14 | Over current protection *3 | more than 105% A of rated current | | | | | |
| 15 | Over voltage protection *4 | 5.75V ~ (Detected 5V output) | | | | | |
| 16 | Dimensions | 105(W) 190(D) 42(H) mm / 4.13"(W) 7.48"(D) 1.65"(H) | | | | | |
| 17 | Weight | 740g / 1.63lb. TYP | | | | | |

KTTIC

SPECIFICATIONS

RTW150 SPECIFICATIONS

| ITEM | | RTW150-522 | | | RTW150-5FF | | |
|------|-------------------------------|---|----------|----------|---------------|----------|----------|
| 1 | Rated output DC voltage | (1) 5V | (2) +12V | (3) -12V | (1) 5V | (2) +15V | (3) -15V |
| 2 | Rated output DC current | 15A | 5A | 1A | 15A | 4A | 1A |
| 3 | Maximum output power | 147W | | | 150W | | |
| 4 | Efficiency(120/230VAC,TYP) *1 | 81.5% / 83.6% | | | 83.5% / 85.3% | | |
| 5 | Input current *1 | 2.0A (100VAC), 0.9A (230VAC) | | | | | |
| 6 | Power factor *1 | 0.99 TYP (100VAC), 0.96 TYP (230VAC) | | | | | |
| 7 | Inrush current *2 | 21Apk MAX (120VAC), 42Apk MAX (240VAC) | | | | | |
| 8 | Initial setting accuracy *1 | ± 0.5% MAX | | | | | |
| 9 | Maximum ripple noise | 50mVpp(5V load), 70mVpp(± 12V, ± 15V load) | | | | | |
| 10 | Maximum line regulation | ± 0.1% | | | | | |
| 11 | Maximum load regulation | ± 0.7%(5V load), ± 0.5%(± 12V, ± 15V load) | | | | | |
| 12 | Voltage tolerance ratio | ± 3% at line, load, time, temperature | | | | | |
| 13 | Hold-up time *1 | 20ms MiN after last AC line peak | | | | | |
| 14 | Over current protection *3 | more than 105% A of rated current | | | | | |
| 15 | Over voltage protection *4 | 5.75V ~ (Detected 5V output) | | | | | |
| 16 | Dimensions | 115(W) 202(D) 42(H) mm / 4.53"(W) 7.95"(D) 1.65"(H) | | | | | |
| 17 | Weight | 900g / 1.98lb. TYP | | | | | |

NOTES

*1 When maximum output is worked

*2 When cold start works with rated voltage at 25 ambient temperature

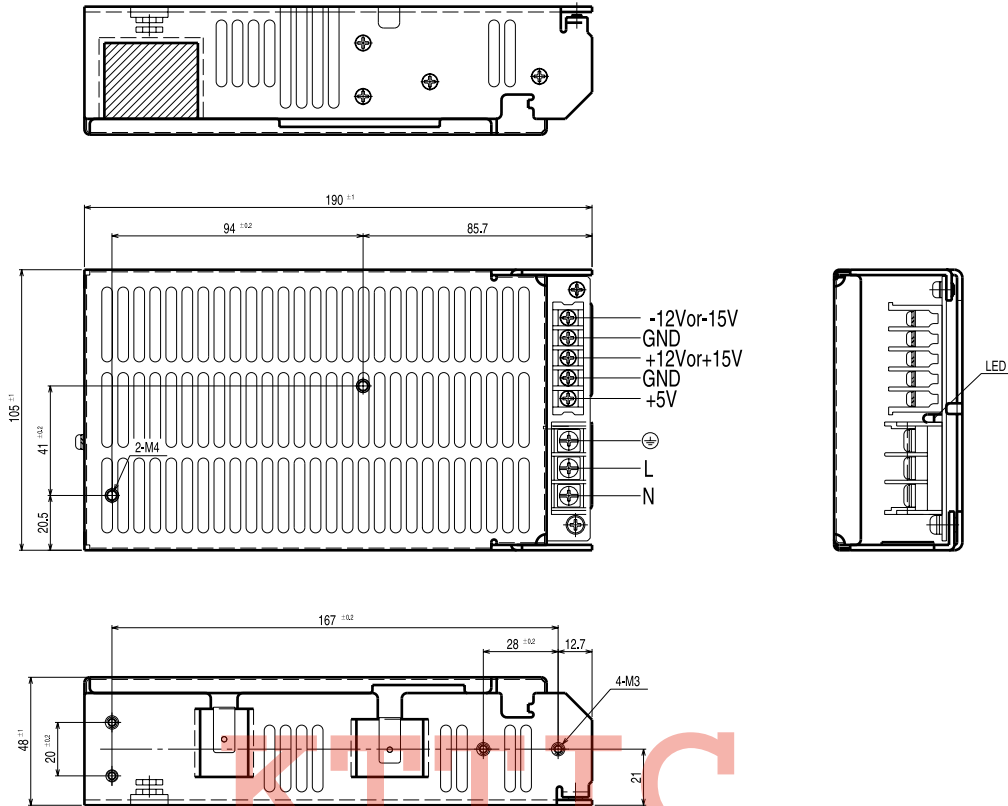
*3 Recovers automatically within 3 seconds, after on input again

*4 Recovers on input again

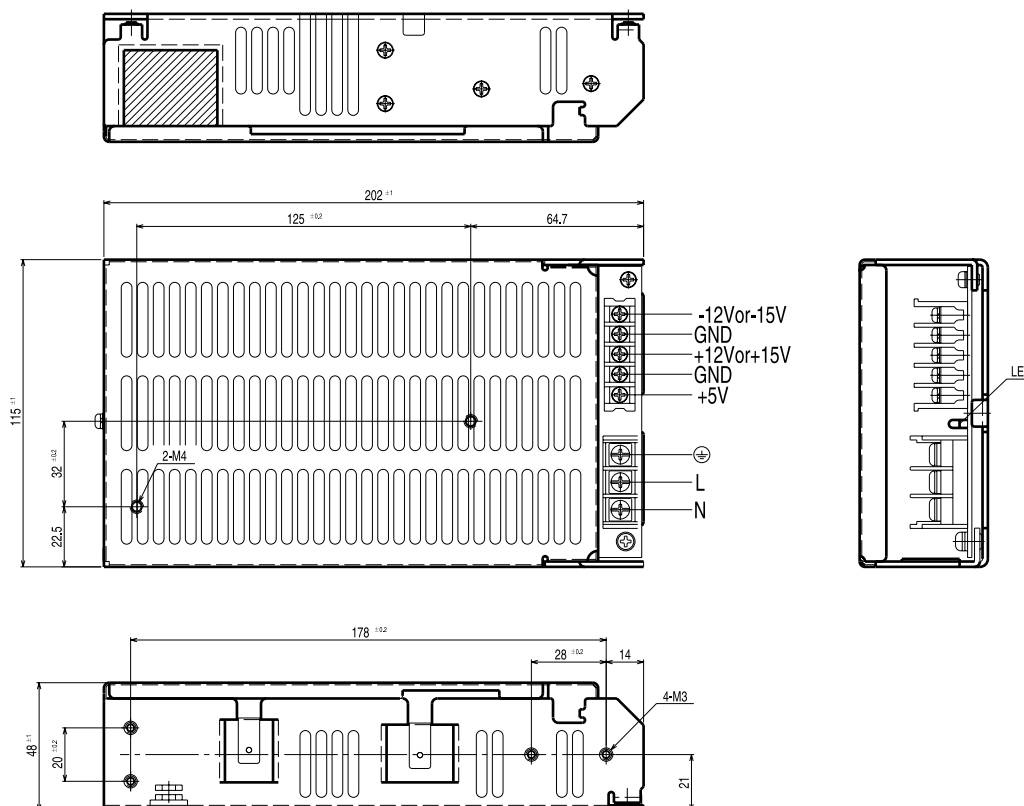
RTW SERIES

RTW SERIES OUTLINE DRAWING

RTW 100



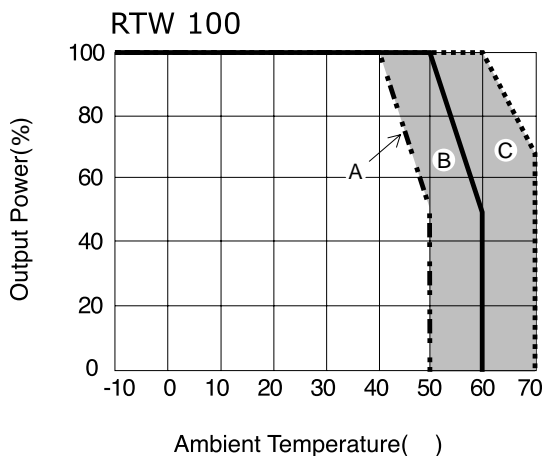
RTW 150



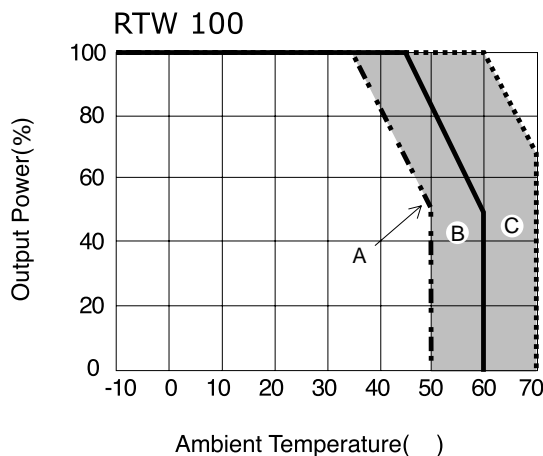
RTW SERIES

RTW SERIES OUTPUT DERATING

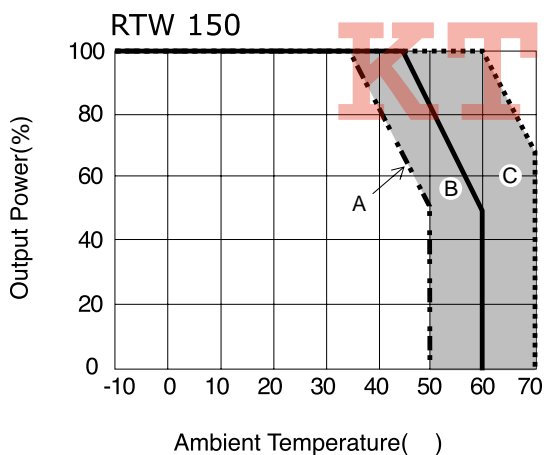
Vertical



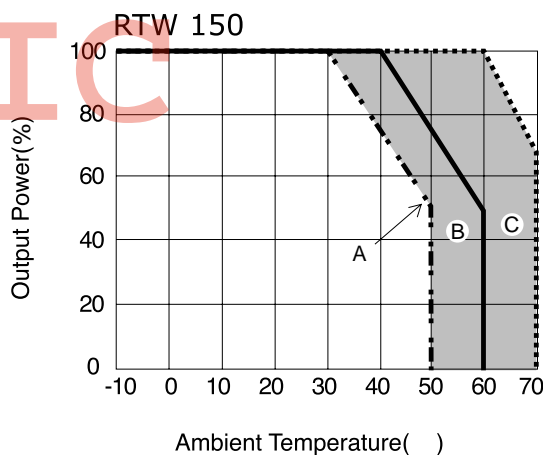
Horizontal



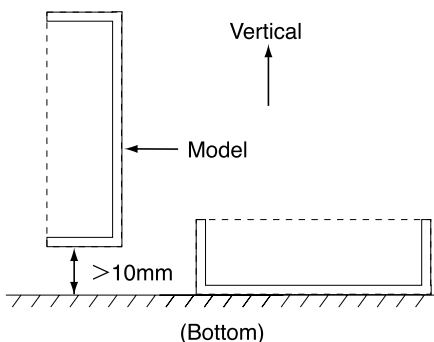
Vertical



Horizontal



Mounting Direction(conv)



- A Conv. with Cover
- B Conv. Open Frame
- C F / Air