

# TC-1200/1350 RVN2



## 3U Type N+1 Redundant Power Supply

### ■ Features

- Universal AC input/Full range
- Active power factor Correction
- Protections:Over Power/Over Voltage/Short Circuits
- Current Sharing design on +3.3V, +5V and +12V
- Front panel LED to Indicate Power Status
- Power Fault Alarm Signals
- Alarm Reset
- 100% burn-in test

### Electrical Specifications:

#### Input Ratings

|                 |                               |
|-----------------|-------------------------------|
| Model No.       | TC-1200/1350RVN3              |
| Input Voltage   | 100~240VAC,±10%               |
| Input Current   | 17A For 115VAC, 7A For 230VAC |
| Input Frequency | 47Hz ~ 63Hz                   |
| Power Factor    | >0.96@230VAC/50Hz,full load   |

#### Output Ratings

| Output Voltage | Output Current |      |             |      | Regulation<br>LOAD LINE |    | Output Ripple &<br>Noise Max.(p-p) |
|----------------|----------------|------|-------------|------|-------------------------|----|------------------------------------|
|                | TC-1200RVN3    |      | TC-1350RVN3 |      |                         |    |                                    |
|                | Min.           | Max. | Min.        | Max. |                         |    |                                    |
| +5V            | 3A             | 60A  | 3A          | 60A  | 5%                      | 1% | 50mV                               |
| +3.3V          | 3A             | 47A  | 3A          | 47A  | 5%                      | 1% | 50mV                               |
| +12V           | 4.5A           | 88A  | 4.5A        | 98A  | 5%                      | 1% | 70mV                               |
| -12V           | 0A             | 1.5A | 0A          | 1.5A | 5%                      | 1% | 70mV                               |
| +5VSB          | 0.3A           | 3A   | 0.3A        | 3A   | 5%                      | 1% | 50mV                               |

Efficiency 72% Typical at full load

Hold up Time 16m sec. minimum, at full load

REMARKS: 1.Total Max output of +5V AND +3.3V not exceed 400W  
2.Power module Total output power not exceed 1200W for TC-1200RVN3 and 1350W for TC-1350RVN3.  
3.Noise bandwidth is from DC to 20MHz.

#### Protections

|               |  |
|---------------|--|
| Over Power    | 110% ~ 150% rated output power                 |
| Over Voltage  | +5V→5.7V~6.5V,+3.3V→3.7V~4.1V,+12V→12.8V~13.9V |
| Short Circuit | Shut down o/p voltage, re-power on to recover  |

#### Function

|                   |   |
|-------------------|---|
| Power Good Signal | 100ms~500ms, TTL compatible signal                    |
| Power Fail Delay  | > 1msec. ,TTL compatible signal                       |
| PS-ON             | Power off:PS-ON = 2V min. ;Power on:PS-ON = 0.8V max. |

#### Environmental

|                       |                           |
|-----------------------|---------------------------|
| Operating Temperature | 0°C to 45°C               |
| Storage Temperature   | -20°C to +70°C            |
| Operating Humidity    | 20% to 90%,non-condensing |
| Storage Humidity      | 5% to 95%, non-condensing |

#### Safety & EMI/RFI

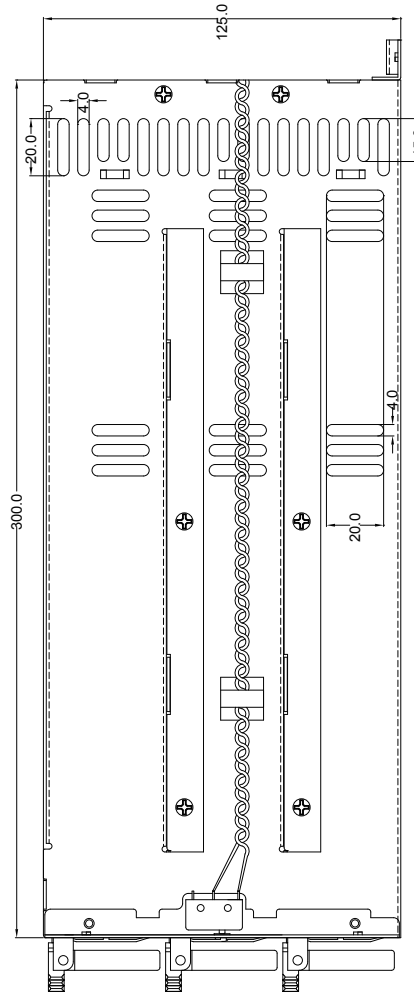
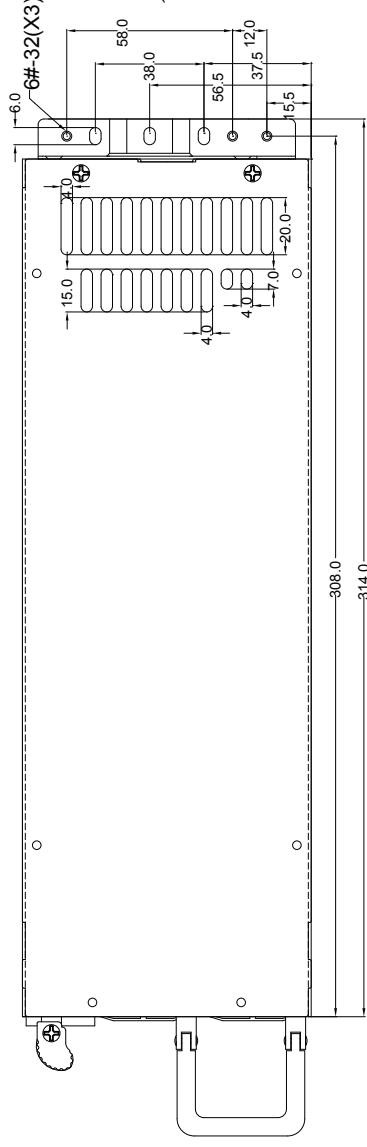
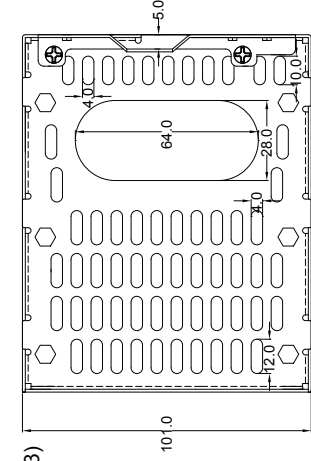
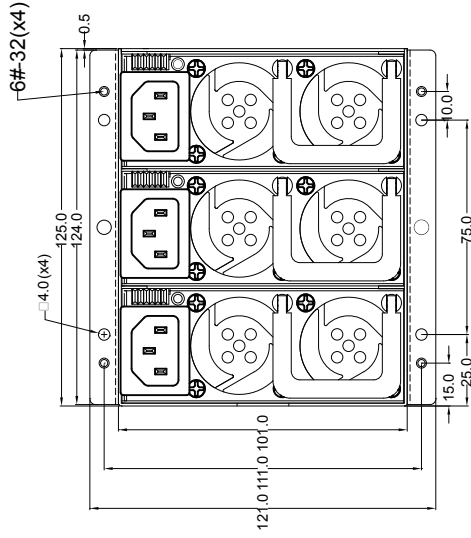
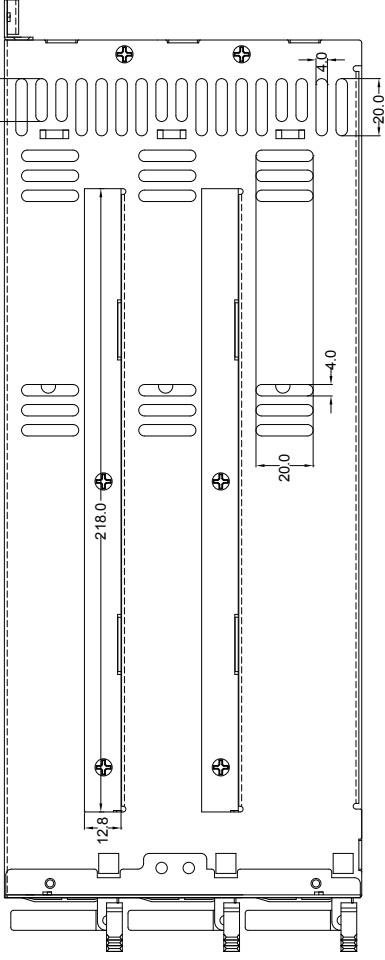
|                   |  |
|-------------------|--|
| Safety Standards  | UL,cUL,TUV,CB                                |
| EMI/RFI Standards | CISPR22(EN55022) Class B, FCC Part15 Class B |
| Harmonic          | EN61000-3-2                                  |

#### Others

|                  |                      |
|------------------|----------------------|
| MTBF             | > 100,000 hours      |
| Coolings         | 38x38x28mmx6 DC FANS |
| Dimension(DxWxH) | 300x101x125mm        |

DIMENSION 300(D) x 101(W) x 125(H)mm

| REVISIONS |             |      |
|-----------|-------------|------|
| REV       | DESCRIPTION | DATE |
|           |             |      |



|             |            |           |           |          |         |
|-------------|------------|-----------|-----------|----------|---------|
| TOLERANCES: |            | SPPC T1.0 |           | UNITS    |         |
| XXX ± 0.2   | MATERIAL   | mm        | mm        | mm       | mm      |
| XX ± 0.1    | APPROVE BY | CHECK BY  | DRAW BY   | DRAW NO  | DRAW NO |
| X ± 0.1     | DATE       | SHEET     | SHEET     | OF       | OF      |
| PROJECTION: | JACKY      | DATE      | 2007.7.18 | PART NO. |         |



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