# TC-650/700 RVN2

## 2U 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-650/700RVN2 |
| Input Voltage | 100~240VAC,±10% |
| Input Current | 12A For 115VAC, 6A For 230VAC |
| Input Frequency | 47Hz ~ 63Hz |
| Power Factor | ＞0.96@230VAC/50Hz,full load |

#### Output Ratings

| Output Voltage | Output Current TC-650RVN2 Min. | Output Current TC-650RVN2 Max. | Output Current TC-700RVN2 Min. | Output Current TC-700RVN2 Max. | Regulation LOAD | Regulation LINE | Output Ripple & Noise Max.(p-p) |
|---|---|---|---|---|---|---|---|
| +5V | 1A | 32A | 1A | 32A | 5% | 1% | 50mV |
| +3.3V | 1A | 25A | 1A | 25A | 5% | 1% | 50mV |
| +12V | 3A | 46A | 3A | 52A | 5% | 1% | 70mV |
| -12V | 0A | 1A | 0A | 1A | 5% | 1% | 70mV |
| +5VSB | 0.1A | 3A | 0.1A | 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 200W
2.Power module Total output power not exceed 650W for TC-650RVN2 and 700W for TC-700RVN2.
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 | 38x38x28mmx4 DC FANS |
| Dimension(DxWxH) | 300x101x84mm |