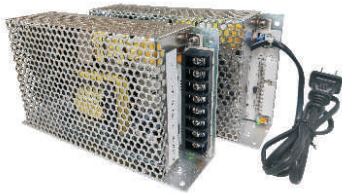




Features



DIMENSIONS: 190(L) x 106(W) x 50(H)mm

- Convection cooled
- 100% burn-in test
- Build-in line filter
- Great reliability
- MOSFET designed
- 120,000 Hrs MTBF per MIL-HDBK-217F
- 2 years Warranty

General specifications

INPUT

| | |
|------------------------|------------|
| Input range | 100~240VAC |
| Input frequency | 127~380VDC |
| Inrush current (25° C) | 47~63Hz |
| | 20A/110VAC |
| | 40A/220VAC |

OUTPUT

| | |
|-------------------------|-------------------------|
| Hold-up time | 16mS |
| Short protection | Autorecovery |
| Overload protection | Automatic power limited |
| Over voltage protection | Autorecovery |

Detail specifications

220 Watts Rated, 450 Watts Peak

| MODEL | O/P Volt Adj. ± % | Load(Current) ¹ | | | Ripple & Noise ⁴ | Line REG. ² | Load REG. ³ | Efficiency ⁵ |
|-----------|----------------------|----------------------------|--------|-------------|-----------------------------------|---------------------------|---------------------------|-------------------------|
| | | Min. | Rated | Max. | | | | |
| RP12201FP | V1: +24V ±10% | 0A | 9.2A | 19A(peak) | 240mVp-p | ±1% | ±1% | 84% Min. |
| RP12202FP | V1: +36V ±10% | 0A | 6.2A | 12.5A(peak) | 360mVp-p | ±1% | ±1% | 85% Min. |
| RP12203FP | V1: +48V ±10% | 0A | 4.6A | 9.3A(peak) | 480mVp-p | ±1% | ±1% | 86% Min. |
| RP22201FP | V1: +24V ±10% | 0A | 7.6A | 17A(peak) | 240mVp-p | ±1% | ±1% | 84% Min. |
| | V2: +5V ----- | 0A | 3A | 3A | 70mVp-p | ±2% | ±2% | |
| RP22202FP | V1: +36V ±10% | 0A | 4.1A | 13A(peak) | 360mVp-p | ±1% | ±1% | 85% Min. |
| | V2: +24V ----- | 0A | 3A | 3A | 240mVp-p | ±2% | ±2% | |
| RP22203FP | V1: +48V ±10% | 0A | 3.08A | 9.9A(peak) | 480mVp-p | ±1% | ±1% | 86% Min. |
| | V2: +24V ----- | 0A | 3A | 3A | 240mVp-p | ±2% | ±2% | |
| RP32201FP | V1: +24V ±10% | 0A | 7.3A | 20A(peak) | 240mVp-p | ±1% | ±1% | 84% Min. |
| | V2: +12V ----- | 0A | 3A | 3A | 120mVp-p | ±2% | ±2% | |
| | V3: -12V ----- | 0A | -0.65A | -0.65A | -50mVp-p | ±2% | ±2% | |
| RP32202FP | V1: +36V ±10% | 0A | 4.1A | 13A(peak) | 360mVp-p | ±1% | ±1% | 85% Min. |
| | V2: +24V ----- | 0A | 2.6A | 3A | 240mVp-p | ±2% | ±2% | |
| | V3: -24V ----- | 0A | -0.4A | -0.4A | -50mVp-p | ±2% | ±2% | |
| RP32203FP | V1: +48V ±10% | 0A | 3.08A | 9.2A(peak) | 480mVp-p | ±1% | ±1% | 86% Min. |
| | V2: +24V ----- | 0A | 1.75A | 3A | 240mVp-p | ±2% | ±2% | |
| | V3: +12V ----- | 0A | 2.5A | 3A | 100mVp-p | ±2% | ±2% | |






| MODEL | O/P Volt Adj. \pm % | Load(Current) ¹ | | | Ripple & Noise ⁴ | Line REG. ² | Load REG. ³ | Efficiency ⁵ |
|-----------|--------------------------|----------------------------|--------|------------|-----------------------------------|---------------------------|---------------------------|-------------------------|
| | | Min. | Rated | Max. | | | | |
| RP42201FP | V1: +48V \pm 10% | 0A | 3.07A | 8A(peak) | 480mVp-p | \pm 1% | \pm 1% | 86% Min. |
| | V2: +24V ----- | 0A | 1.5A | 5A(peak) | 240mVp-p | \pm 2% | \pm 2% | |
| | V3: +12V ----- | 0A | 2A | 3A | 100mVp-p | \pm 2% | \pm 2% | |
| | V4: +5V ----- | 0A | 2.5A | 3A | 70mVp-p | \pm 2% | \pm 2% | |
| RP42202FP | V1: +48V \pm 10% | 0A | 3.08A | 9A(peak) | 480mVp-p | \pm 1% | \pm 1% | 86% Min. |
| | V2: +24V ----- | 0A | 1.5A | 5A(peak) | 240mVp-p | \pm 2% | \pm 2% | |
| | V3: +12V ----- | 0A | 2.5A | 3A | 100mVp-p | \pm 2% | \pm 2% | |
| | V4: -12V ----- | 0A | -0.65A | -0.65A | -50mVp-p | \pm 2% | \pm 2% | |
| RP42203FP | V1: +48V \pm 10% | 0A | 3.08A | 10A(peak) | 480mVp-p | \pm 1% | \pm 1% | 86% Min. |
| | V2: +36V ----- | 0A | 1.4A | 4.2A(peak) | 360mVp-p | \pm 2% | \pm 2% | |
| | V3: +12V ----- | 0A | 1.2A | 1.2A | 100mVp-p | \pm 2% | \pm 2% | |
| | V4: +5V ----- | 0A | 1.3A | 1.3A | 70mVp-p | \pm 2% | \pm 2% | |

EMC Standards

EN 55022 CLASS B (Meet),
 EN 61000-3-2 (Meet),
 EN 61000-3-3 (Meet),
 EN 50081-1 (Meet),
 EN 50082-1 (Meet)

Safety Standards

 UL 60950 (Meet)
 CSA 60950 (Meet)
 CE 60950 (Meet)

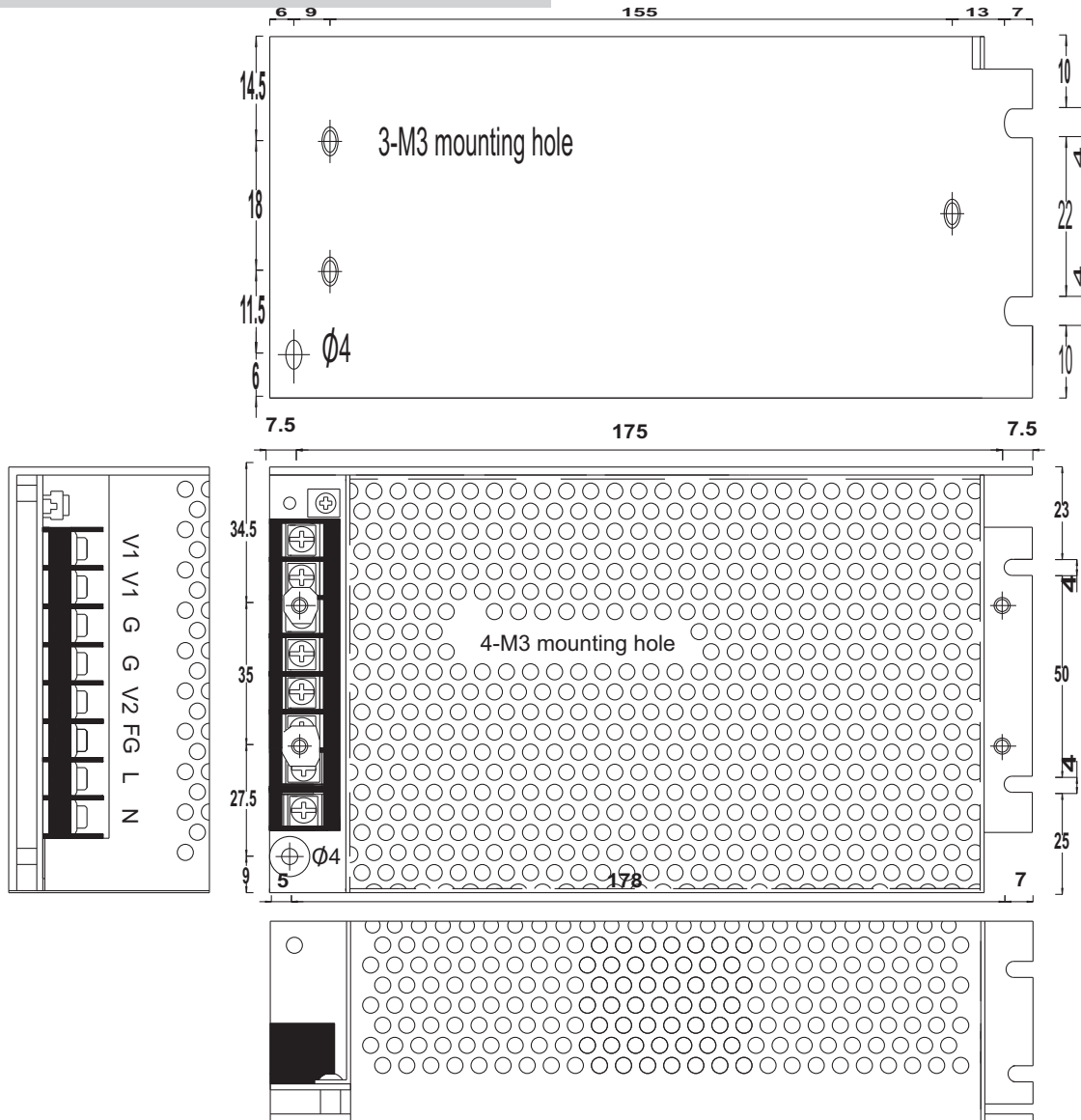
Environments

Operating Temperature -15 ~ 50°C, Ambient
Operating Humidity 5 ~ 95% RH, No Condensing
Storage Temperature -20 ~ 85°C, Ambient
Vibration 2G, 10~500Hz, 3 axes

- NOTE:**
- Each output can provide up to maximum load, but total load can not exceed rated output power.
 - Line regulation is measured from low line to high line at rated load.
 - Load regulation is measured from 20% to 100% of rated load at 220VAC input.
 - Ripple & Noise is measured by using a 0.1uF/630V metalized capacitor & a 47uF electrolytic capacitor parallel on the test point, at rated load and 220VAC input.
 - Efficiency is measured at rated load and 220VAC input.
 - Hold-up time is measured at rated load and 220VAC input.
 - Reign Power reserve the right to change specifications at any time without notice.



Mechanical Details



Panel Designation

PCB Barrier Terminal Block

| Pin | Single | Dual | Description |
|-----|--------|------|--|
| 1 | L | L | L : Line Terminal of Input |
| 2 | N | N | N : Neutral Terminal of Input |
| 3 | FG | FG | FG : Ground (Earth) No Polarity At DC Input |
| 4 | NC | V2 | NC : No connection |
| 5,6 | G | G | G : DC Output Ground Terminal |
| 7,8 | V1 | V1 | Vx : DC Output Terminal (Specify at spec.) |

CASE NO. : CS150

UNIT : mm

DIMENSIONS : 190(L) x 106(W) x 50(H)