

EFRP Series



- N+1 Redundant
-
- Hot Swappable
-
- PFC for EN61000-3-2 Compliance
-
- Internal Oring Diodes
-
- Power Fail Alarm Signal
-
- >100,000 hours MTBF
-
- International Safety Approvals

Specification

Input

- Input Voltage* • 90-264 VAC
- Power Factor* • 0.98
- Input Frequency* • 47-63 Hz
- Inrush Current* • 25/40 A at 115/230 VAC

Output

- Adjustment Range* • Fixed
- Hold Up* • 20 ms minimum at 100% load
- Overload Protection* • 110-130%
- Overvoltage Protection* • 5 V: 5.6 - 7.0 V, 3.3 V: 3.76 - 4.3 V
- Remote Sense* • +5 V and 3.3 V only
- Ripple & Noise* • ±1% pk-pk max
- Total Regulation* • ±5% V_1 , V_3 and V_5 , ±5/-3% on V_2 , ±10% V_4 and V_5

General

- Efficiency* • >65% at 100% load
- Leakage Current* • <700 mA / module
- MTBF* • >100,000 hours at 25°C and 100% load

Environmental

- Operating Temperature* • 0°C to +50°C
- Storage Temperature* • -20°C to +60°C
- Operating Humidity* • 20-90% non condensing

Safety and EMC

- Emissions* • FCC Class B, CISPR22 Class B, VCII Class 2
- Safety* • UL, CUL, TUV, CE Marked for LVD

OUTPUT VOLTAGE & CURRENT RATINGS

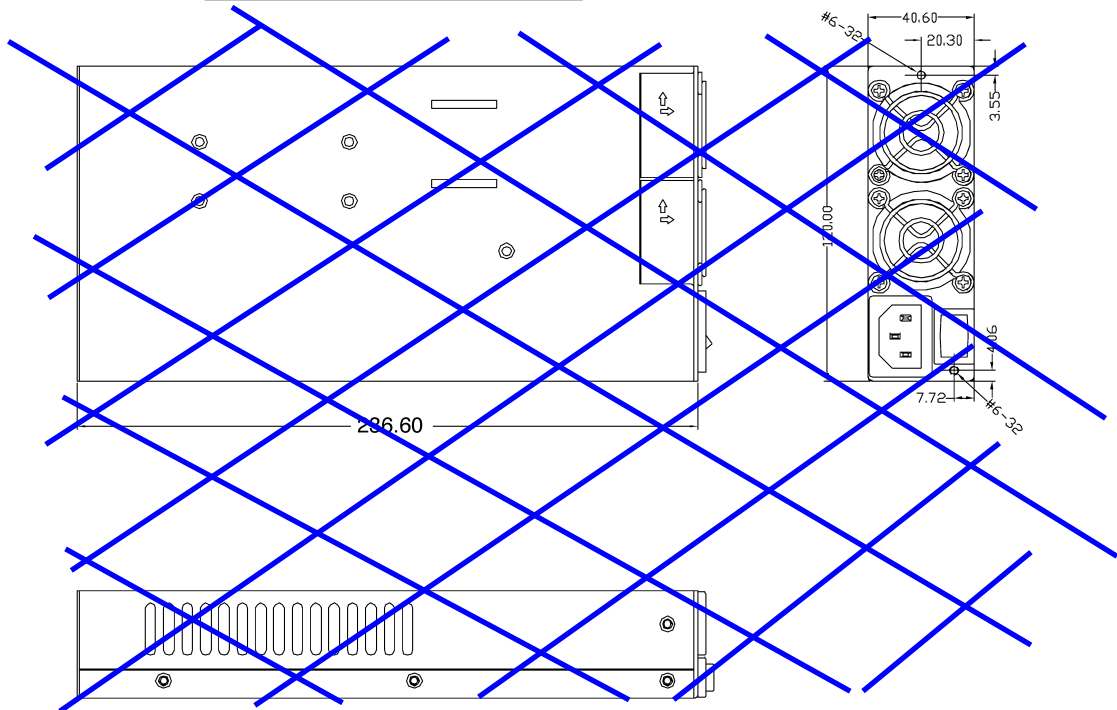
| Model | Output Voltage | Minimum Load | Output Current | Peakload |
|---------------|----------------------|---------------|--------------------|--------------------|
| EFRP-302* | +5/+3.3/+12/-12VSB | 01./0.3/0/0/0 | 30/28/15/0.3/0.8/2 | 110-130% Max Power |
| EFRP-2302* | +5/+3.3/+12/-12/5VSB | 01./0.3/0/0/0 | 30/28/15/0.3/0.8/2 | 110-130% Max Power |
| EFRP-2302A* | +5/+3.3/+12/-12/5VSB | 01./0.3/0/0/0 | 30/28/15/0.3/0.8/2 | 110-130% Max Power |
| EFRP-2302S* | +5/+3.3/+12/-12/5VSB | 01./0.3/0/0/0 | 30/28/15/0.3/0.8/2 | 110-130% Max Power |
| EFRP-3302** | +5/+3.3/+12/-12/5VSB | 02./0.3/0/0/0 | 60/56/30/0.6/1.6/4 | 110-130% Max Power |
| EFRP-4302*** | +5/+3.3/+12/-12/5VSB | 03./0.9/0/0/0 | 90/74/45/0.9/2.4/6 | 110-130% Max Power |
| EFRP-4302H*** | +5/+3.3/+12/-12/5VSB | 03./0.9/0/0/0 | 90/74/45/0.9/2.4/6 | 110-130% Max Power |

Notes

- * Total Power of V1, V2, V3 combined not to exceed 280 watts
- ** Total Power of V1, V2, V3, combined not to exceed 560 watts
- *** Total Power of V1, V2, V3 combined not to exceed 840 watts

Mechanical Details

EFRP-302

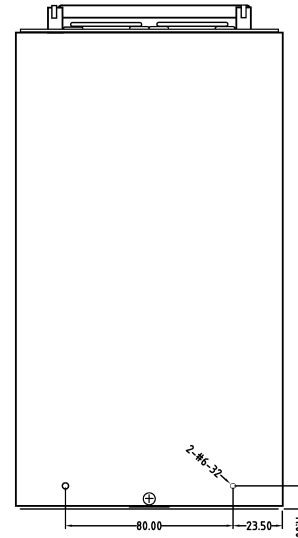
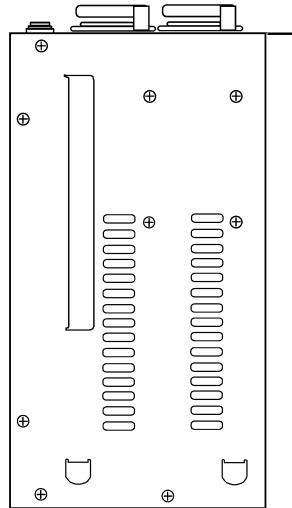
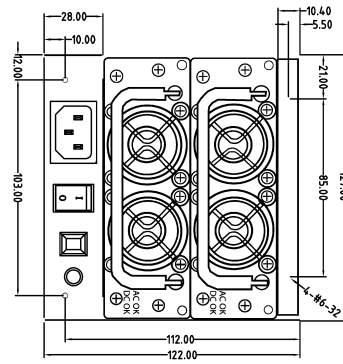


This mechanical drawing is not correct, please see EFRP-302-6 DETAILED DRAWING available on the web for the EFRP-302 or click on the link below:

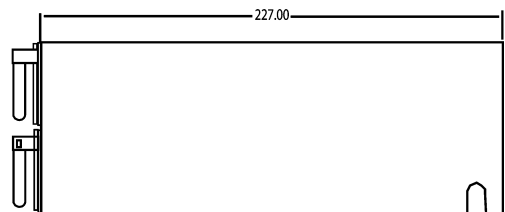
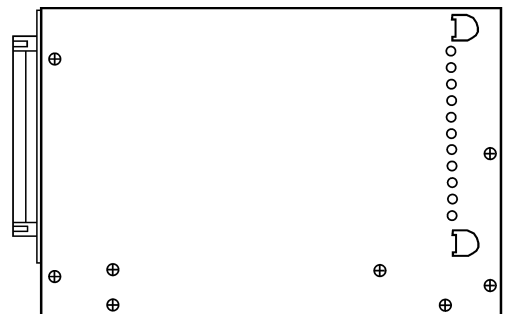
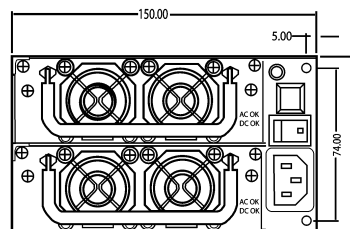
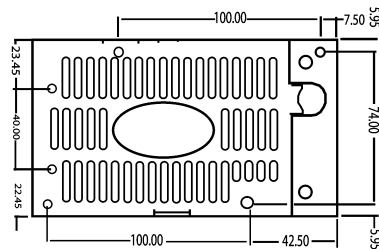
<http://www.xp-foresight.com/pdf/efrp-302a.pdf>

Mechanical Details

EFRP-2302

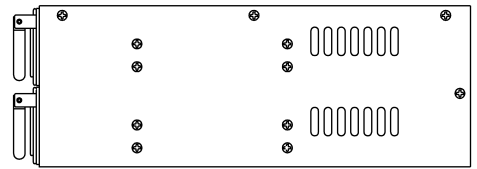
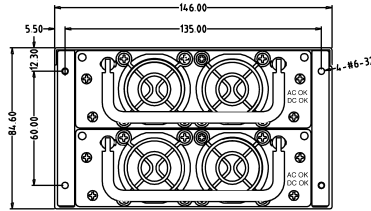
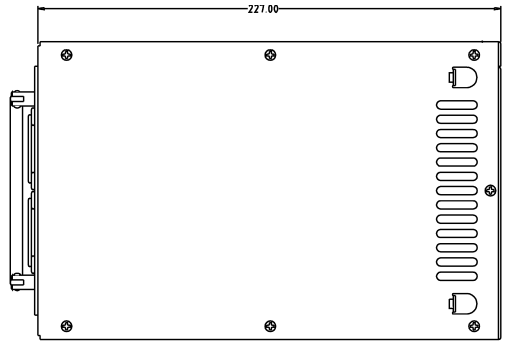
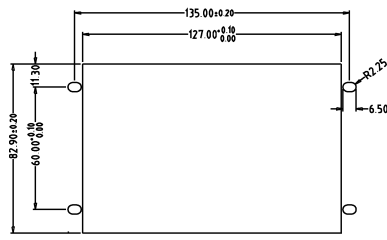


EFRP-2302A

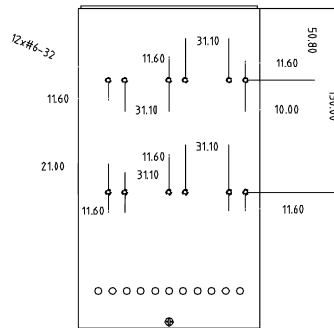
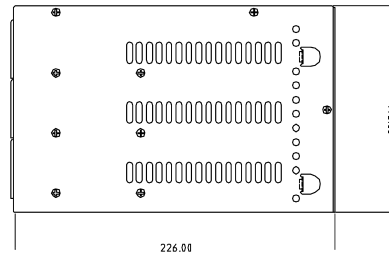
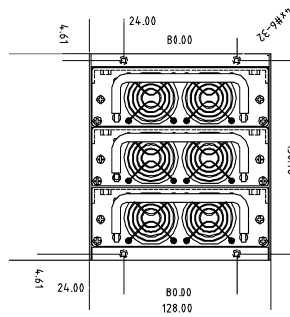
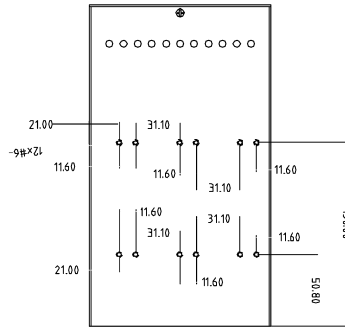


Mechanical Details

EFRP-2302S



EFRP-3302



Mechanical Details

EFRP-4302

