



# PF series

**350 watts**

## Features:

- *0.99 Power Factor Corrected*
- *Dual Output*
- *Hot Swappable*
- *Modified and Custom Designs Available*

## Ideally Suited For:

- *Telecommunications*
- *Disk or Tape Drives*
- *Instrumentation*



## Input Characteristics

|                  |                                      |
|------------------|--------------------------------------|
| Input Voltage:   | 90-264 VAC                           |
| Input Filtering: | EN55022 Class B                      |
| Efficiency       | 75% typical                          |
| Input Frequency: | 47-63 Hz                             |
| Power Factor     | 0.99 typical                         |
| Hold Up Time:    | 20mSec at nominal line and full load |

## Output Characteristics

|                                      |  |
|--------------------------------------|--|
| Output Voltage Adjustment:           | +/-10%   |
| Line Regulation:                     | +/-0.5% typical  |
| Load Regulation:                     | +/-1.0% from 0% to 100% load   |
| Ripple and Noise:                    | 1% Pk-Pk of Vout   |
| Transient Response (50% load change) | 2% maximum deviation, returns to initial condition within 1.0 mSec maximum   |
| Overload Protection:                 | 115% to 135% of output rated loads (latching type, recycle AC to reset.  |
| Short Circuit Protection:            | Will withstand a continuous short circuit without damage. Will automatically return to regulation upon removal of the short. |
| Overvoltage Protection:              | 115% to 125% of nominal output   |

## Environmental Characteristics

|                                      |   |
|--------------------------------------|---|
| Operating Temperature Range:         | 0°C to +50°C continuous duty, full rating, derate linearly to 50% of full rating at +71°C |
| Storage Temperature Range:           | -20°C to +85°C  |
| Temperature Coefficient:             | <0.02%/degree C   |
| Humidity:                            | up to 95% non-condensing  |
| Reliability (MTBF per Mil-HDBK-217): | >100,000 hours  |
| Cooling:                             | 30 cfm fan cooling required   |

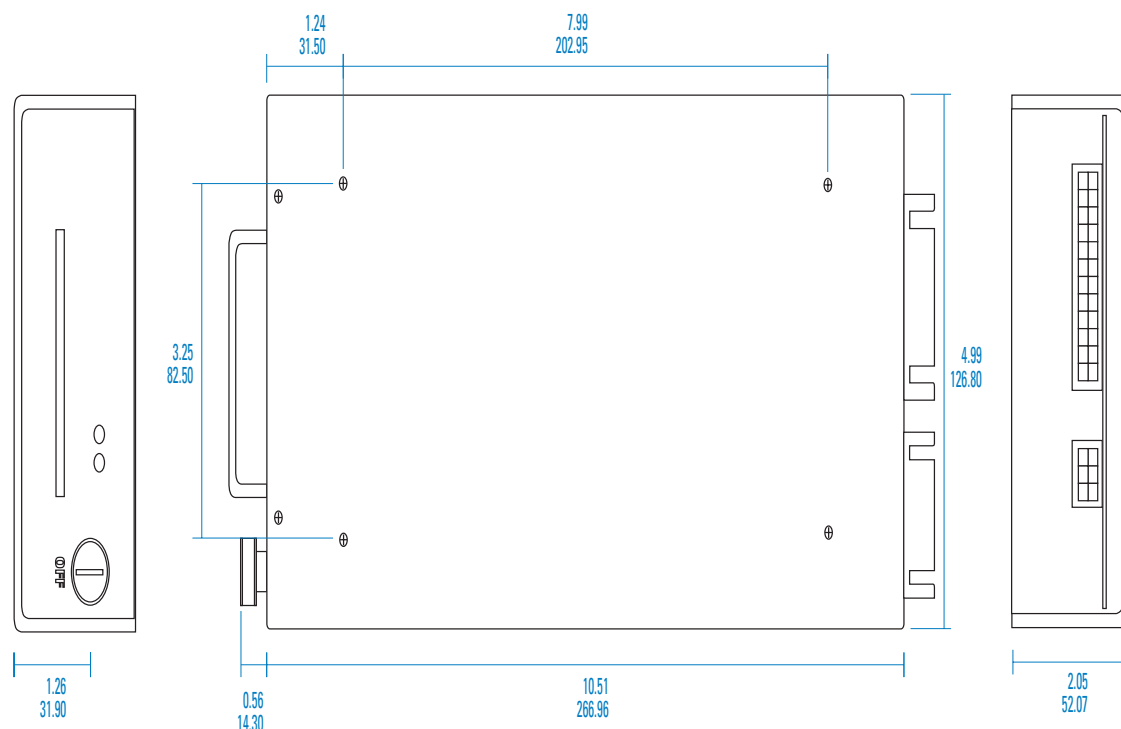




## General Characteristics

|                              |   |
|------------------------------|---|
| Switching Frequency:         | 3750 VAC min.   |
| Isolation (Input to Output): | 80 kHz  |
| Weight:                      | Varies by case configuration - consult factory                |
| Power Fail                   | TTL low logic provided when input voltage falls below 90 VAC  |
| Power Good:                  | TTL low logic signal provided when 5V output exceeds 4.75 VDC |
| Redundant:                   |   |
| Hot Swappable:               |   |
| Agency Approvals:            | UL, CUL, DEMKO, and CE mark                                   |

## Outline Drawing



| Model     | Output Channel | Output Voltage (VDC) | Output Current (A) |
|-----------|----------------|----------------------|--------------------|
| PF-350-21 | V1             | +5                   | 25                 |
|           | V2             | +12                  | 25                 |

**Consult factory  
for pin outs**

**Other case  
configurations  
available,  
consult factory.**

All specifications are typical at 25 degrees C with nominal input voltage and full output unless otherwise noted. Specifications are subject to change without notice. All dimensions are typical.