

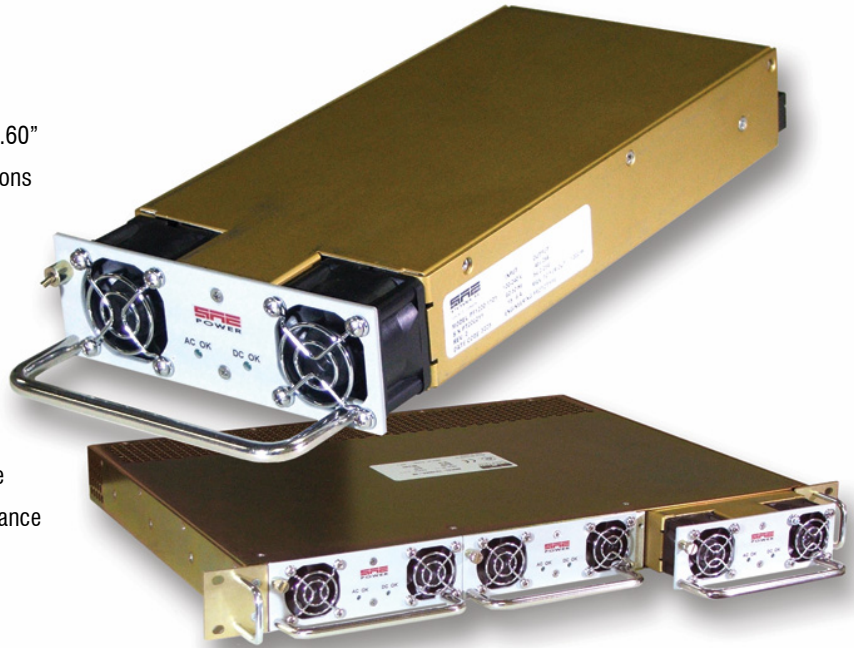
# PF1000-2802

1000 Watt 28V Front-End Power Supply Module



## Features:

- Small 1U High Package measuring only 10.25 x 4.83 x 1.60"
- Short Length of only 10.25" ideal for embedded applications
- Full Output Power over entire 90-264 VAC Input Range
- Optional 1U High 19" Rack-Mount Power Shelf
- Internal Oring FETS for Redundant Operation
- Active Digital Current Sharing
- I<sup>2</sup>C Interface and Analog Status & Control Signals
- Auxiliary Output Voltage (5VSB @ 250ma)
- Isolated Output may be referenced as positive or negative
- Active Power Factor Correction for EN61000-3-2 Compliance
- International Safety Standards & RoHS Compliant
- 2 Year Warranty



## Input Specifications:

Input Range	Universal AC (90-264VAC / 47-63Hz)
Inrush Current	30 Amp Max (cold start)
Efficiency	88% Typical
Hold-Up Time	20ms (minimum)
Leakage Current	1mA rms
Harmonics	>0.98 Power Factor

## Output Specifications:

Main Output	28V @ 35.71A
Auxiliary Output	5VSB @ 250mA
Regulation	±1% max (line, load & temp)
Ripple / Noise	±1%pk-pk max (20MHz)
OCP	>110%, auto-recovery
OVP	>115~125% of nominal

## Status & Control Signals:

See Engineering Specification for complete details:

- Digital I2C Interface
- Remote Sense
- Voltage Adjust
- Fan Fail
- DC OK
- Enable / Inhibit
- Single Wire Parallel
- Current Monitor
- AC OK
- Over-Temp

## Electromagnetic Compatibility:

ESD	EN61000-4-2, ±4KV Contact / ±8KV Air Discharge
Susceptibility	EN61000-4-3, 26-1000MHz, 10V/M, 80% AM
EFT / Bursts	EN61000-4-4, ±2KV
Surges	EN61000-4-5, ±2KV Line-Earth, ±1KV Line-Line
Immunity	EN61000-4-6, 0.15-800MHz, 10V, 80% AM
Voltage Dips	EN61000-4-100, 95% Dip & 10ms, 30% Dip & 500ms
Interruptions	EN61000-4-11, 95% reduction, 5s
Fluct / Flicker	EN61000-3-3

## Environmental Specifications:

Operating Temp	-10~+50°C (De-Rate 2.5%/°C up to +70°C max)
Storage Temp	-40 ~ +85°C
Cooling	Internal Ball Bearing Fans with Temperature Speed Control
Humidity	20~90% RH (non-condensing)
Vibration	10~55Hz, 2G, 3min period, 60min each (3 axes)
Shock	20G Peak Acceleration
Reliability	250k Hours MTBF (Full Load & 25°C Operation)

## Safety & Emissions:

- cTUVus En60950-1
- EN55022 Class B
- CE Mark (LVD)
- RoHS Compliance

Please see our website for the complete engineering specification. The information and specifications contained herein are subject to change without notice.

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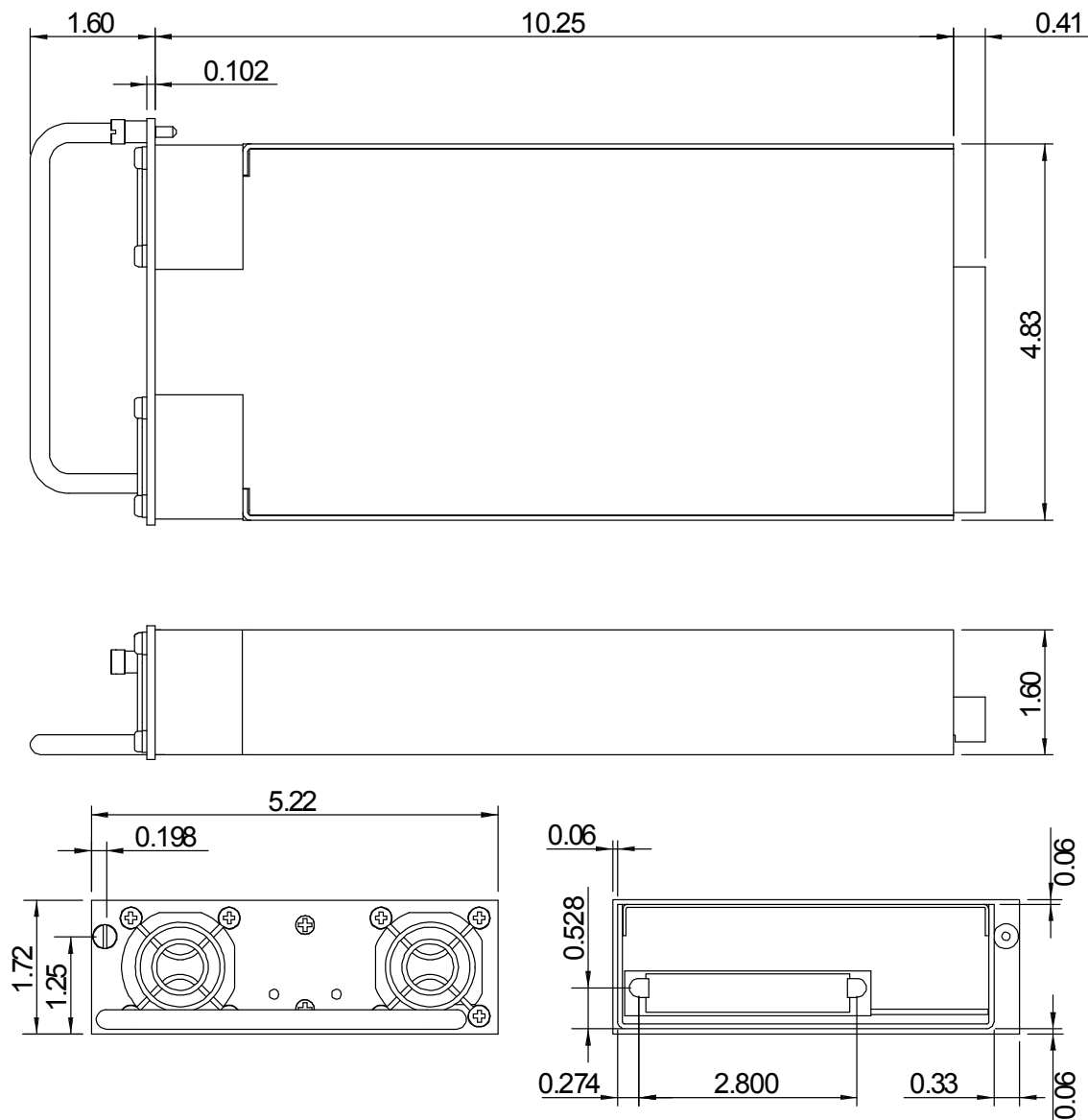


## Ordering Information:

Part Number	Description
PF1000-2802	1000 Watt / 28V Front End power Supply Module
1U100SB	3 Bay / 1U High Power Shelf (14.60" Depth)
BP-3A-1U	Blank Faceplate

## Mechanical Drawing:

See Engineering Specification for complete details including connector and pin assignments



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