

1 U 1 50LA

6,300 Watt 3-Bay / 19" Rack Mount Chassis
for use with PF2100-4801 Power Supply Modules

Introduction

The 1U150LA Rack Mount Chassis from SAE Power mounts up to three PF2100-4801 power supply modules for up to 6300W of highly reliable isolated 48VDC with 5V standby power. These power shelves are ideal for usage in today's distributed power architectures.

These power systems offer state-of-the-art status and control functions in both analog (TTL) and Digital (I2C) signal sets. This feature allows engineers more flexibility and control in their system designs. The functions include remote on/off control, power supply present, voltage adjustment, current monitor, AC OK, DC OK, remote sense, current share, fan fail and overtemperature warning. Multiple racks may be interconnected for additional power and redundancy.

Key Features

- Up to 6300W Output Power over the 180 to 264VAC Input Range
- Full Load operating temperature range from -10 to +50°C
- Excellent combination of both High Reliability and Low Cost
- Full hot-swap capability, with low insertion/extraction force
- Front panel LED's for AC OK and DC OK
- Temperature controlled fan speed, for low noise and long life
- Configurable I2C interface status and control
- Single wire active current share
- Operating Parameters adjustable via Analog or Digital Interface
- N+1 or N+M Redundancy
- Integral isolation (OR-ing) mosfets
- Stand-by power of 5V @ 250mA
- Full array of status & control signals (digital and analog)
- Remote sense: up to 0.5V cable losses compensation
- No minimum load required
- 48V Main Output may be referenced as positive or negative
- RoHS compliant
- 2 Year Warranty

Typical Applications

- Distributed Power Architectures
- Server Equipment
- LAN / WAN / SAN Applications
- Network Equipment
- Automated Test Equipment
- Network Attached Storage

Specifications are subject to change without notice

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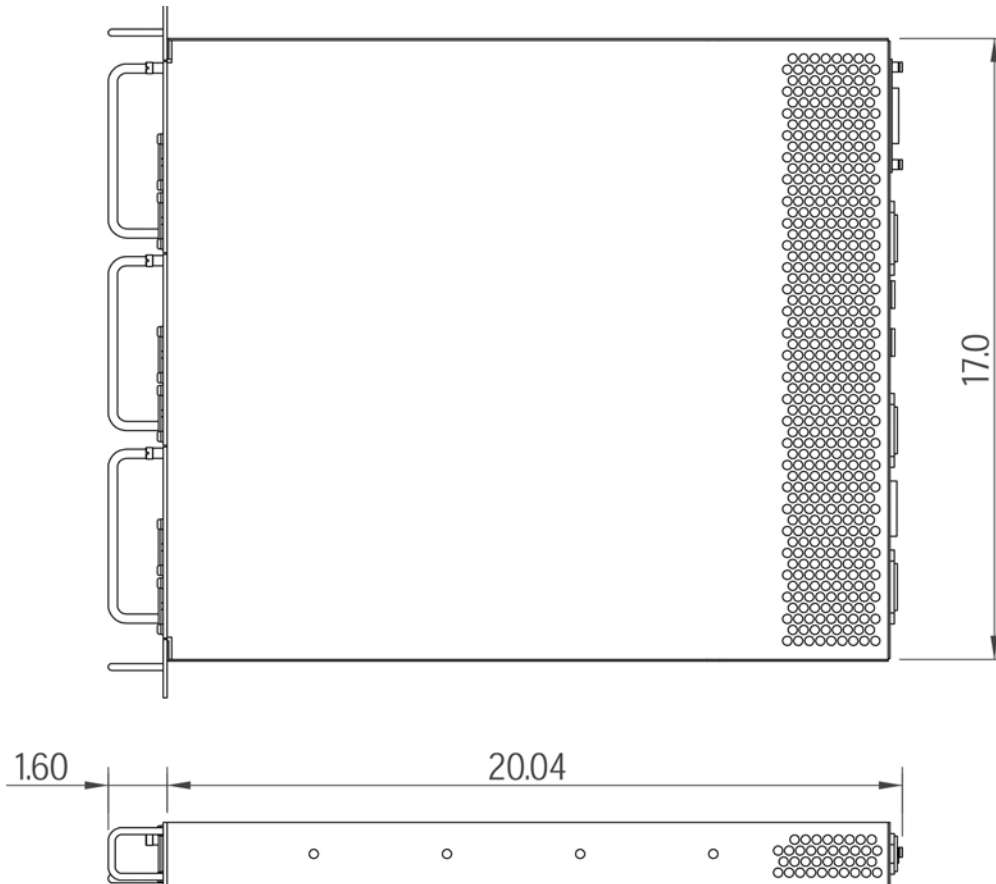


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1 U 150LA

Mechanical Specification (See PF2100 Specification for Electrical Specifications)

Parameter	Description
Chassis Dimensions	17.00" (L) x 20.04" (W) x 1.72" (H)
Faceplate	19" (W) x 1.72" (H)
Material	Steel, RoHS compliant yellow chromate finish
Connector	DB25 Connector (Tyco 747846-3 or 747846-4 or equivalent)
Weight	Each chassis weighs 12.50lbs / 5.67kg (un-populated)

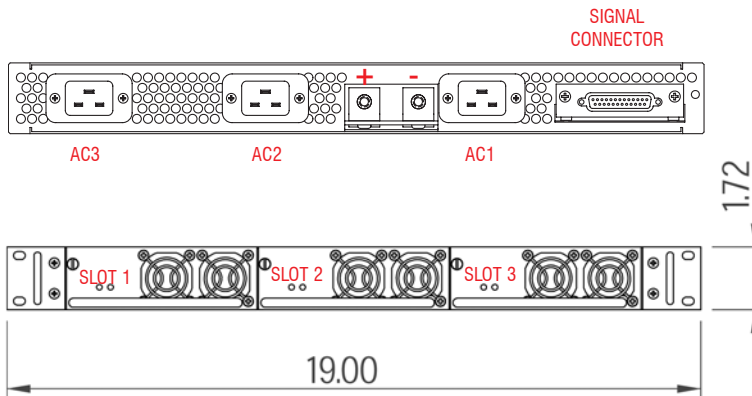


Standard Connector Pin Assignments

Pin	Function
1	PWOK/A3_3
2	PWOK/A3_2
3	PWOK/A3_1
4	ACOK/A2_1
5	ACOK/A2_3
6	ACOK/A2_2
7	-SENSE
8	+SENSE
9	SPARE PIN
10	SCL
11	OTWN/ALT *
12	CUR MON 3
13	PSPRESENT_3
14	SDA
15	VSB
16	CUR MON 1
17	CUR MON 2
18	VO ADJ 1
19	VO ADJ 2
20	VO ADJ 3
21	LS_BUS
22	PSON *
23	PSPRESENT_1
24	PSPRESENT_2
25	STANDBY RTN

* PSON and OTWN/ALE are "wire OR'd" to all modules.

Suggested AC Cable:
Interpower P/N 86226020



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