



350 W

PARALLELABLE, FOUR-OUTPUT

WITH I²C INTERFACE 47 PIN

COMPACT PCI POWER SUPPLY

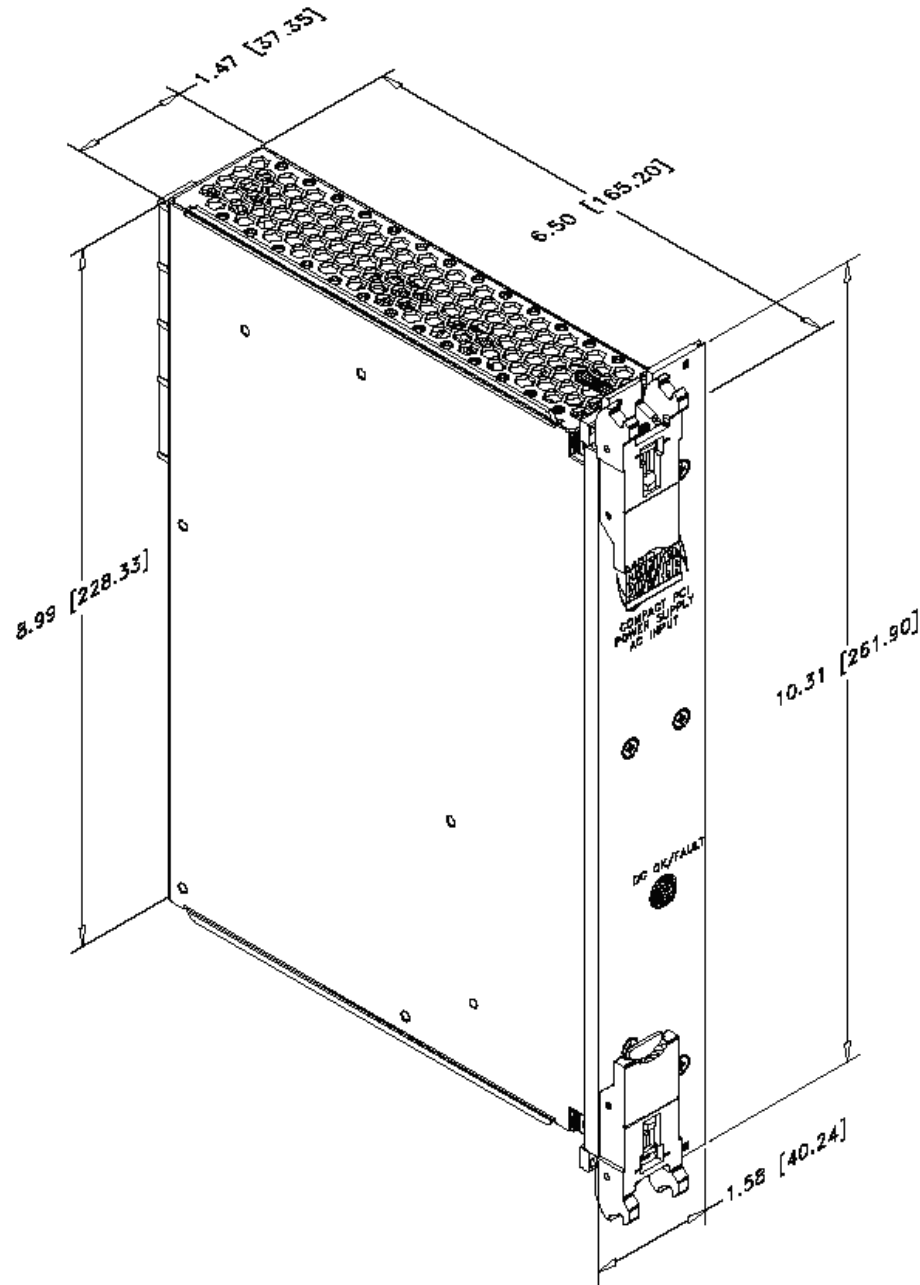
PS 2318 POWER SUPPLY

INPUT POWER:	36 to 72 Vdc
INPUT / OUTPUT CONNECTOR:	47 pin Positronics PCIH47M400A1.
OUTPUT POWER:	350 W Max: +5 V @ 40A, +3.3 V @ 35A, +12 V @ 12A & -12 V @ 4A. Min Load: +5V @ 3.5A,+3.3V @ 2A, ±12V @ 0A
CONSTRUCTION:	Enclosed chassis.
NOMINAL SIZE:	6 U x 8 HP x 165 mm
WEIGHT:	3.9 lbs.
COOLING:	System provided fans with minimum 400 LFM.
OPERATING AMBIENT:	-5 to +55°C incoming air.
INDICATORS:	LED indicators for DC OK and Power Supply Fail.
I²C INTERFACE:	Featuring a) Monitor all outputs to check regulation status. b) AC OK. c) Enable and disable power supply. d) Temperature readout inside the power supply, -55°C to +125°C readout capability. e) EEprom, 8 bit 256 word, can be used to program power supply description, serial number, revision, date code.

PS 2318 SALIENT FEATURES

- ❖ Parallelable/ Redundant Operation with accurate current sharing between units
- ❖ UL, CSA, and TUV certification
- ❖ NEBS Compliant
- ❖ FCC-CFR47, Part 15A, Class A, and CISPR Class A conducted EMC compliance
- ❖ Complete fault protection:
 - ❖ Input undervoltage shutdown
 - ❖ Instantaneous input power limiting and latching overvoltage protection on all outputs, reset by recycling AC input or remote On/Off.
 - ❖ Input and Output overtemperature protection
 - ❖ Hiccup overcurrent protection on all outputs
- ❖ Power factor correction boost converter input stage. Two transistor forward down converter with 3 magnetic amplifiers. Or'ing FETS on 5V and 3.3V outputs.
- ❖ Current mode 200 kHz flyback converter with primary and secondary bias.

MECHANICAL OUTLINE



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