

Product Description

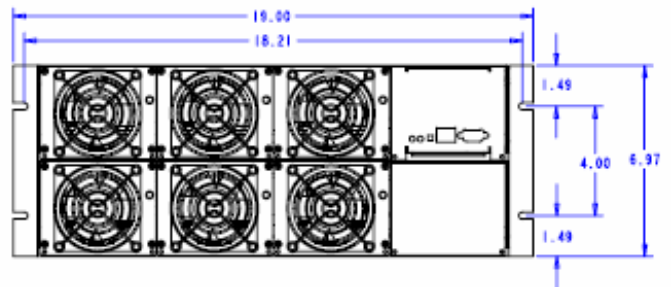
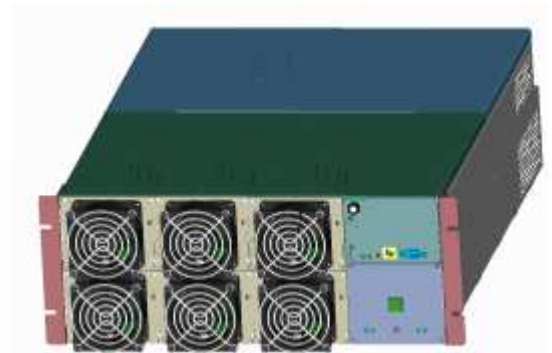
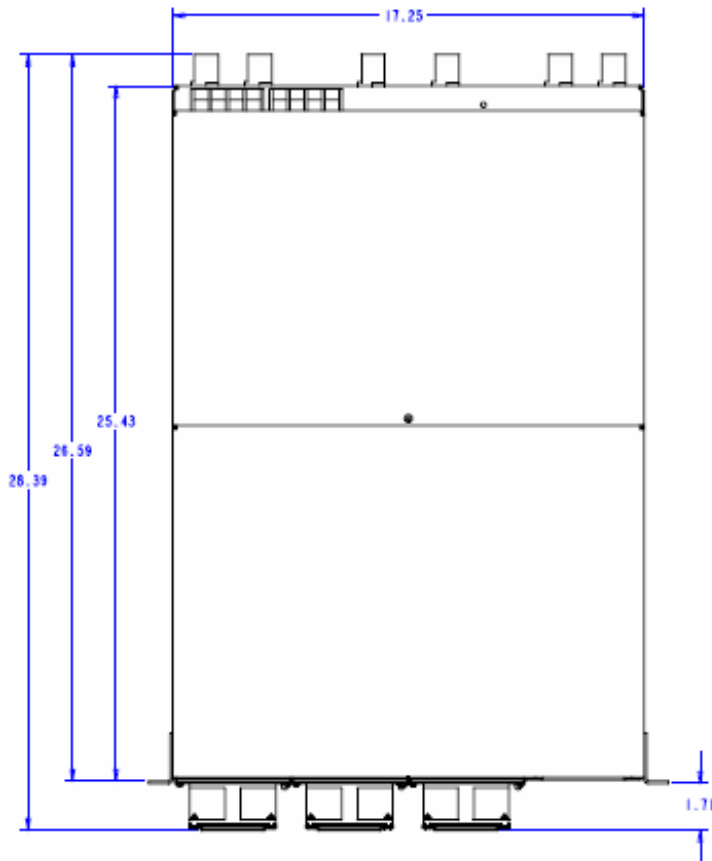
The system consists of a shelf, power supply modules and an internal controller. Through the controller interface, the Power system may be controlled to provide an output of 18 to 56Vdc with ~25Kw of power available.

Application

Test system Power source

Key Features

- 208 3PH, four wire Delta or 480V 3-PH, five wire Y
- 18-58Vdc output, either polarity
- 25.8Kw Max. Power output, 480A
- Control via Telnet, TCP/UDP



Technical Specifications

AC INPUT

Voltage: 208 3PH, four wire Delta or 480V 3-PH, five wire Y

Frequency: 47-63Hz

Peak Inrush Current: <50A per phase on each of two 3PH inputs

Power Factor: 0.99 typical

Efficiency: ~90% with 230VAC source, 50 to 100% load

Hold-Up Time: 10mS min.

DC OUTPUT

Voltage: 48Vdc Nominal, adjustable from 18-58Vdc

Power: 25,800W

Accuracy: ± 50mV

Ripple & Noise: 1% V P-P Measured with 20Mhz Bandwidth

Line Regulation: Less than ±0.25%

Load Regulation: ±1.0% from no load to full load (droop load share)

Current Sharing: Slope program current share, (droop)

Output Connections: 6 pairs of Anderson Power Products SB175 type connectors.

ELECTRONIC ALARMS

Interface: Telnet, TCP/UDP

Controls (remote): The following functions are available via the remote digital interface: Inhibit, Output Disconnect, Output polarity switch, 4-step output turn on current limit, Output Adjust (18V to 58VDC) in 5mV or greater steps.

Controls (local): The following functions are available on the front of the power system: Inhibit, manual output disconnect override (EOD switch).

The following functions are available on the rear panel of the power system: Remote sense and two sets of system level output disconnect pairs.

Reporting (remote): The status of the following is available via the remote digital interface Output current, output voltage, number of installed rectifiers, DC fault status (per installed rectifier), AC present (per installed rectifier.)

Reporting (local): The status of the following is available on the front panel of the power system: Output polarity, disconnect status.

Digital Status: A power system with no power supplies installed in bays 1- 6 and Ac present at terminal block 101 must be able to communicate with the host system.

TEMPERATURE

Normal Operation: -20 to +40°C

Humidity Operating: 5% to 95% RH non-condensing

PHYSICAL DIMENSIONS

Dimensions: H6.97 x W19" Rack mount x D26" plus 1.6" protrusion

Weight: ~200lbs complete with 6 x 8lb module

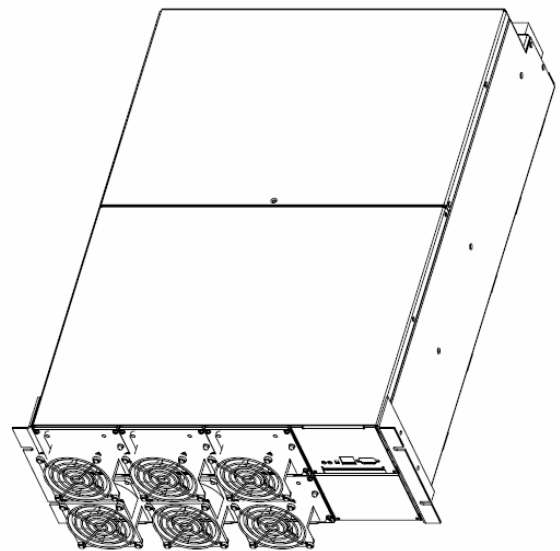
AGENCY COMPLIANCE

Electrical safety: Designed to meet IEC 60950-1, UL 60950-1

EMI (conducted): FCC Part 15, Sub-part J, class A and EN55022, class A

EMI (radiated): EN55022 Class A

Contact Factory for Options and full Product Specification



ORDERING INFORMATION

Part no.	Description
144128	Test Power System
143592-N54D01	4.3Kw Power Supply module

Global Contact Information

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ABOUT TDI

TDI designs and manufactures power solutions ranging from individual power supplies to system-level installed power for telecommunications, computer, industrial, military, airborne, marine and outdoor applications. Strategically located in nine global facilities, TDI products include: ACDC Power Supplies, DC-DC Converters, N+1 Redundant Power Systems, Rectifiers and Battery Plants, DC-AC Inverters, AC-AC Frequency Changers, Electronic Loads and Value-Added Cabinets.

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