

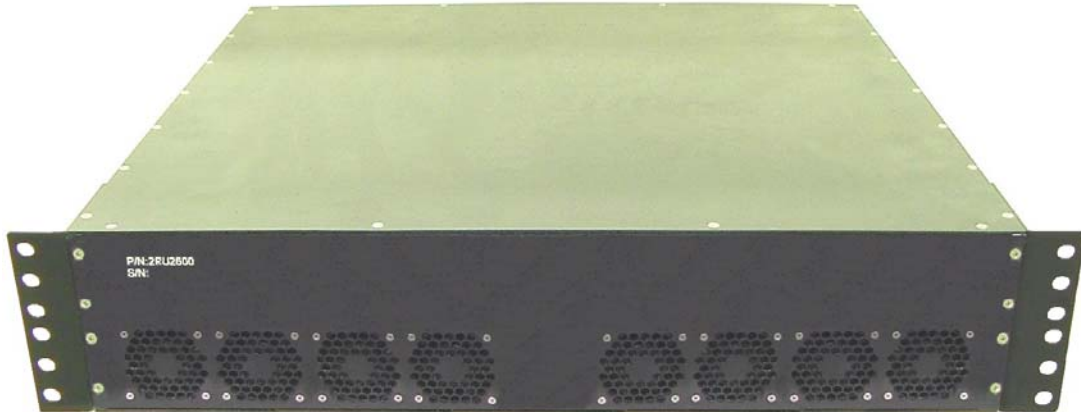


2RU2600

115/230VAC Input

Single 2600W Output

Military COTS Power Supply



Features

- Rugged Two Rack Unit Package
- Internal Fan Air Cooled Power Supply
- 1 Phase 95-250VAC 47-63Hz Input
- Single VDC Output
- 2600W Maximum Output Capability
- Withstands MIL-STD-810F Environment
- Compliant to MIL-STD-461E EMI Standards

Product Highlights

This ruggedized Military Commercial Off the Shelf (COTS) power supply operates from a 1-Phase 95-250VAC 47-63Hz connected input. The single 2600W output capability is the power supply solution for military COTS applications. It is compliant to the environmental requirements of MIL-STD-810F and the EMI requirements of MIL-STD-461E. In comparison to other power supplies using conventional technology, this package provides its users with higher efficiency (85% typical), less weight and higher power output. This supply incorporates Vicor's cutting edge proprietary high reliability, low noise, and high-density ZCS/ZVS converter modules, leading the industry in power density.

AEGIS Power Systems, Inc., specializes in the design, development, and manufacture of rapid response custom switching power supplies and power systems for **military defense**, telecommunication, industrial, electronic data processing, VME, and the Hybrid Automobile industries.

[AEGIS Power Systems, Inc. 828-837-4029](tel:828-837-4029)



2RU2600

Specifications

(25°C, nominal line, 100% load unless otherwise specified)
(Rev 2, 06/16/10)

Parameters

Notes:

AC Input Voltage:	1 Phase, 50/ 60Hz, 115/230VAC Nominal Ranges: 95VAC – 250VAC Ln-Neut, 47-63Hz
AC Input Current:	26.6 Amps Nominal at 115VAC, 13.3Amps Nominal at 230VAC
Input Power:	3060W Nominal
Efficiency:	85% Nominal, 83% Minimum
Power Factor:	0.99 typical
Startup Time:	Less than 700 Milliseconds
Voltage Set Point, Line and Load Regulation:	Vout+/-2.5%
Temperature Regulation:	+/-0.02%/deg °C
Output Power:	2600W Nominal
DC Output Voltages:	28VDC order -101
Over Voltage:	117% typical Recycle input power to reset
Output Ripple:	280mV pk-pk Nominal (1%) (20MHz BW)
Current Limit:	Outputs Short Circuit protected, automatic recovery
Temperature:	-40°C to +60°C Operating -55°C to +100°C Non-operating Storage
Weight :	29 lbs maximum
Size:	2RU(3.5") X 19"Rackmount X 19"D (See Mech dwg)
Connectors:	AC Input Connector P/N DC Output Connectors, two (2) each 3/8" Lugs, one Pos, one Neg.
Vibration:	MIL-STD-810F, Method 514.5 Procedure 1
Shock:	MIL-STD-810F, Method 516.5 Procedure 1
Humidity:	0-95% non-condensing
EMI:	MIL-STD-461E CE102, CS101, RE102-(Army Mobile)
Built In Test:	DC OK and AC OK LED
Order Information	Order P/N 2RU2600-101 for 28VDC output Order P/N 2RU2600-xxx for other outputs (contact factory)
Specifications subject to change without notice.	