BRANDT ELECTRONICS, INC.
ISO 9001:2008

AC/DC POWER SUPPLIES

Engineering and Design Capabilities

Brandt engineers have over 100 years of combined power supply design experience and utilize the latest design software (e.g. AutoCAD, OrCAD, Mathcad, PSpice). With over 350 field-proven power supply designs, Brandt has a fully computerized and integrated research and development system and is experienced with all conducted/radiated emissions and conducted/radiated susceptibility levels of MIL-STD-461.

Facility

Brandt Electronics occupies a modern 21,000 square foot building located in Milpitas, CA, in the heart of Silicon Valley.

Quality Assurance

Brandt Electronics' Quality Assurance Program is in accordance with the most rigorous industry standards, such as ISO 9001:2008, MIL-I-45208, and Boeing's DI-9000 document. Our facility and procedures are regularly certified through DOD and prime contractor audits. Defect analysis with corrective action and follow-up and environmental stress screening are all included in our quality system.

Custom Design

Over 30% of our staff is dedicated to the development of new power supply designs. With over 350 models we have proven our ability to take your requirements and turn them into successful and manufacturable designs.

Brandt Electronics, Inc.
1971 Tarob Court
Milpitas, CA 95035
Tel: (408) 240-0004
Fax: (408) 240-0014
www.brandtelectronics.com

Typical Operating Parameters

Input Voltages	115/220VAC, 1-phase or 3-phase, 47Hz to 440Hz
Output Voltages	Single and multiple, 2VDC to 48VDC
Output Power	10W to 7000W
Output Regulation	±1%
Output Ripple	50mV to 250mV
Efficiency	>85% for single output, >70-85% for multiple output
Protection	Short circuit, over current, over voltage, over temperature
Environment	MIL-E-5400, MIL-STD-810, MIL-STD-2036
EMI	CE101, CE102, CE107, RE101, RE102, all conducted and radiated levels of susceptibility per MIL-STD-461

Typical Design Features

- Ruggedized design
- High-efficiency
- Low ripple / noise parameters
- High-reliability
- Hold-up per MIL-STD-704

BRANDT ELECTRONICS, INC.
ISO 9001:2008

Model #	Input Voltage	Output Voltage (VDC)	Output Power	Cooling Method	Dimensions	Application
PS12230	115VAC, 400Hz	±5, ±15, +50	30W	Conduction	9.5" x 4.12" x 2.62"	Commercial Aircraft
PS12241	115VAC, 400Hz	+5, ±15, +23	280W	Convection	11.82" x 5.5" x 2.88"	Airborne Sat Com
PS12279	100-132VAC, 200-264VAC, 47-64Hz	+28	300W	Conduction	5.02" x 7.02" x 4.38"	Airborne OP Adj. ±10% MIL-STD-704A
PS12296	108-242VAC	+28	1500W	Convection	6.13" x 10" x 24"	Communications
PS12298	115VAC, 400Hz	+5, -5.2, ±12, +15, +48	200W	Convection	4.88" x 2.35" x 7.6"	RF Tuner
PS12301	180-211VAC, 3-phase, 360-440Hz	+5, ±12	600W	Conduction	7" x 4.2" x 2.5"	Airborne
PS12310	115VAC, 400/50-60Hz	+5, ±12	40W	Conduction	6.25" x 4.12" x .77"	Airborne
PS12328A	115VAC PFC, 60Hz	-2, +5, -5.2, ±12, ±24	450W	Convection	16" x 12" x 3.7"	Shipboard
PS12334	115VAC, 60Hz	±5, ±15, +28	200W	Conduction	7" x 5" x 1.5"	Shipboard
PS12339	115VAC, 47-440Hz	+5, ±12, +28	250W	Conduction	9" x 4" x 1.5"	Airborne
PS12343	90-260VAC PFC, 60Hz	+3.3, -5, +5.1, +5.35, ±12, +28, +45	1100W	Forced Air	13" x 12 "x 3"	IFF Transmitters Ground