BRANDT ELECTRONICS, INC.
ISO 9001:2008

VME POWER SUPPLIES

MIL-STD-704A

Our VME power supplies have been designed and qualified to meet the stringent requirements of MIL-STD-704A input power. These supplies are available in 6U or 3U format per IEEE1014 and also in chassis mount versions.

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.

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 D1-9000 document. Our ESD workstations comply with DOD-HDBK-263 for PCBA, subassembly, and final assembly work. Our facility and procedures are regularly certified through DOD and prime contractor audits. Defect analysis with corrective action follow-up and environmental stress screening are all included in our quality system. As a result our stringent quality control requirements, we have been approved by all the major contractors as a qualified source for their power supply and manufacturing requirements.

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, 28/270VDC per MIL-STD-704A
Output Voltages	Standard VME, +3.3, +5, -5.2, ±12, ±15 VDC
Output Power	100W to 1000W
Output Regulation	1%
Output Ripple	50mV to 100mV
Efficiency	70% to 85%
EMI	CE101, CE102, CE107, RE101, RE102, all conducted and radiated levels of susceptibility per MIL-STD-461
VME Signals	SYSRESET, ACFAIL, PWRON, OUTPUT BITE
Protection	Over voltage, over current, short circuit, over temperature
Environmental	MIL-E-5400, MIL-STD-810, MIL-STD-2036

Typical Design Features

- 50ms power interruption hold-up time per MIL-STD-704A
- Flexible VME formats
- Conduction, convection, and fan cooled designs

BRANDT ELECTRONICS, INC.
ISO 9001:2008

Model #	Input Voltage	Output Voltage (VDC)	Output Power	Cooling Method	Dimensions	Application
PS12270	115/210VAC, 3-phase, 400Hz	+5, ±12	800W	Internal Fan	18" x 5.2" x 5" Chassis mount	Airborne (Navy)
PS12289	115/210VAC, 3-phase, 400Hz	+5, -5.2, ±12	500W	Convection	6U x 2.6" wide	Airborne (Navy)
PS12303	28VDC	-2, ±5, ±12	125W	Convection	6U x 1.6" wide	Airborne (Army)
PS12306	115VAC, 60Hz PFC	+5, -5.2, ±12	150W	Conduction/ Convection	6U x 2.4" wide	Shipboard (Navy)
PS12307	115VAC, 60Hz PFC	+5, -5.2, ±12	260W	Conduction/ Convection	6U x 2.4" wide	Shipboard (Navy)
PS12313	115/210VAC, 3-phase, 400Hz	+5, -5.2, ±12	250W	Convection	6U x 3.2" wide	Airborne (Air Force)
PS12314	115/210VAC, 3-phase, 400Hz	±5	325W	Conduction	9" x 6.5" x 3" Chassis mount	Airborne (Air Force)
PS12317	115/210VAC, 3-phase, 400Hz	+3.3, +5, ±12	800W	Convection	6U x 3.2" wide	Airborne (Army)
PS12325	115/230VAC, 47-400Hz PFC	+5, -5.2, ±12	380W	Convection	6U x 3.2" wide	Multi
PS12326	115/230VAC, 47-400Hz PFC	+5, -12.7, +13.3	150W	Convection	6U x 1.6" wide	Multi
PS12330	115/230VAC, 47-440Hz	+5, ±12	350W	Convection	6U x 2.4" wide	Shipboard