

About BEAR Power Supplies



- Compact, high-reliability power supplies
Commercial – Industrial – Medical
 - Standard and custom
 - Innovative design techniques
 - Competitive pricing
- Rapid response
 - Design, manufacture, sales and support all in one modern US facility
 - 6-8 week lead time on standard products
 - 2 week turn-around on custom quotes
 - Real-time technical support
- Engineering and manufacturing expertise
 - 7 engineers, 85 years of combined experience



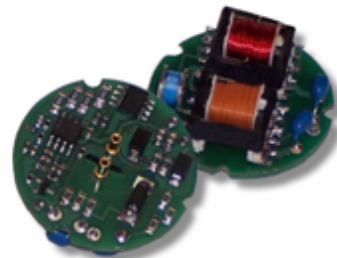
We provide innovative solutions to our customers' needs.



Bear Power History










1989	Z-AXIS - rugged video display monitors <ul style="list-style-type: none">Industrial, medical, military markets
1996	Acquisition by Video Display Corporation (VDC) <ul style="list-style-type: none">\$90 million corporation - NASDAQ:VIDE
1999	New 32,000 ft ² facility in western New York
2000	Bear Power Supplies founded
2005	Standard power supply line launched
2005-2007	30% year-over-year growth in standard and custom business



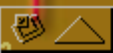
Products – AC/DC Power Supplies



Build your standard supply online - choose package, wattage, voltage

	Package	Wattage	Voltage
90 Standard Products	 PCB Mount industry standard	5, 10, 15, 30	3.3, 5, 12, 15, 24, 48
	 PCB Mount 2 pin IEC (patented)	5, 10, 15, 30	3.3, 5, 12, 15, 24, 48
	 PCB Mount 3 pin IEC (patented)	5, 10, 15, 30	3.3, 5, 12, 15, 24, 48
	 Chassis Mount	5, 10, 15, 30	3.3, 5, 12, 15, 24, 48
	 Chassis Mount 2 pin IEC	5, 10, 15, 30	3.3, 5, 12, 15, 24, 48
	 Chassis Mount 3 pin IEC	5, 10, 15, 30	3.3, 5, 12, 15, 24, 48
	 DIN Rail Mount	5, 10, 15, 30	3.3, 5, 12, 15, 24, 48

90 Standard Products



- DC/AC, AC/DC and DC/DC
- Power mW to KW
- Potted modules
 - Smaller size
- Fanless
- Open frame or encapsulated
- Wide operating temperature range

300 W DC/DC converter

Commercial telecom

- 4 outputs
- - 48 VDC input
- High efficiency
- Used in NEBS 3 certified system



180 W DC/DC converter

Ground transportation

- 4000 VAC isolation
- Low input and output noise
- Designed for very long life

“[The BEAR team] anticipated our needs, made excellent design recommendations, and provided fast turn-around.”

Bob Cook, President, Velocite Systems

- Low minimum quantity
- Reasonable NRE
- Expertise in commercial, industrial, medical, telecommunications, military
- Effective communications throughout project
 - With reps
 - With customer engineering teams
- Completion on time, on budget
- [Online RFQ](#)

30 W AC/DC converter

Medical

- high efficiency over very wide input and load range
- mechanically rugged
- sealed input connector for wash-down



850 W DC/DC converter

Communications

- 3 isolated outputs
- Hot-swappable with load sharing
- Specific mechanical constraints for rack-mounted system in mobile communications unit





IT equipment

- **EN 60950-1** General requirement for safety
- **UL 60950-1** Part 1: general requirements
- **CAN/CSA-C22.2 (No.60950-1-03)** Part 1: general requirements



Medical electrical equipment

- **IEC 601-A/A2** General requirements for safety
- **UL 2601-1** General requirements for safety
- **CAN/CSA-C22.2 (No.601.1-M90)**
Part 1: general requirements for safety and collateral standard:
safety requirements for medical electrical systems
- **EN 60601-1-2** EMC standard for medical devices
 - **EN55011** conducted and radiated emissions
 - **EN 61000-3** harmonics and flicker
 - **EN 61000-4** electrostatic discharge, radiated immunity, fast transient burst, surges, conducted immunity, power frequency magnetic field, voltage dips and interrupts



Telecom

- **GR-1089**
- **NEBS**

Military

- **COTS** solution
- **ITAR** compliance





BEAR
POWER SUPPLIES

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