

Power to Make a Difference

 **DSPM** INC.
DIGITAL SIGNAL POWER MANUFACTURER



Who We Are

DSPM (Digital Signal Power Manufacturing) is an engineering based design and manufacture company. Our company philosophy is based on Applied Engineering, or Integrated Engineering Platforms. DSPM has developed a unique fifth generation Digital Control System, which provides precise control and monitoring of all input and output power functions on our complete line of power products. With this topology platform our units can sense power fluctuations and react in virtual real time. The Pulse Width Modulation output is optimized and is capable of a total static start and stop in microseconds, to protect both the load and the power backup equipment.

Digital Signal Power Manufacturing (DSPM) personnel have been involved in the Power Quality Business since 1974. DSPM specializes in the custom, or unique products area. DSPM has evolved from standardized products to also providing Engineered Solutions for our customers.

Our company has been in business since 1986, (incorporated in February 1992) offering 20 plus years of Electronic Power Design and Manufacturing experience. DSPM is committed to offering the latest innovations for quality power requirements in our industry today.

DSPM currently has over 100 combined man-years of experience in the power field. Our team brings you a group of individuals who have the experience in all aspects of design (both mechanical and electrical) along with manufacturing. The sales and marketing staff have been involved with the power quality industry since its inception and understand the need for total quality and reliability in all of our products. DSPM has been involved in producing products utilizing the latest in innovative designs and manufacturing methods.

As a matter of policy, DSPM is committed to "open architecture" designs and bring this philosophy to the customization of our specialized products. The idea is to give the customer more choices and identify the best solutions. Our goal is to recommend the best-of-class products and software to meet your unique requirements, while providing the most cost-effective solutions.



Oil and Gas

With billions of dollars of gas and oil flowing throughout the world, can anyone afford a power problem? DSPM has developed DC rectifiers with extreme reliability and redundant rectifiers that offer superb capabilities to keep batteries at a full charged status all the time. Our cabinets are temperature compensated and built for any type of battery needed. Automatic equalization circuits are programmable for the duration of the charge and between charges. Your batteries are our #1 concern. We have added an inverter to provide critical AC power when required. Land based pumping station or floating platform, you can count on DSPM.



Telecom

The packaging ability of DSPM allows us to customize our cabinets to conform to the requirements our customers need. In the case of the Power Battery Metering Distribution (PBMD) units, the entire structure was designed to meet Sprints requirements. The overall package combines the UPS, Utility Meter and Telco Connections (for the T1 requirements as well as fiber), full output distribution, including a full By-Pass System Feature. The unit has a field replaceable power compartment, eliminating the need for site analysis of any system problems, without interruption of service day or night.



Medical

DSPM combines all of our technologies to control your medical equipment. We combine our Lighting Inverters and UPS systems to provide a complete solution for your medical environment. With a power range of 3 KVA up to 150 KVA (single or three phase) we can provide the perfect solution for your equipment. DSPM combines our UL, CSA and IEC experience to provide dependable, safe and compliant products.



Schools and Universities

When your sons and daughters are away studying for their future, DSPM is on the job. We keep many of our schools and universities lighting systems operational at all times. When an emergency occurs you can sleep at night knowing they are safe.



Customization

DSPM has developed a full line of Central Lighting Inverters (CLI), Uninterruptible Power Systems (UPS), Frequency Converters, Automatic Voltage Regulators and Power Conditioners. These units are available in single and three-phase configurations. DSPM has been a leading designer for Harsh Environment Enclosed units that allow the full product line to be installed outdoors or in extremely harsh environments. All products are listed with UL and conform to IEC standards. DSPM has provided power quality products for diverse applications where standard solutions would not work. The Department of Defense, Aerospace, Industrial, Security, Mass Transit, Airports, Data Centers, Telco, Sport Stadiums, Oil and Gas Industry and many other industries have benefited from our capabilities.

Our patent pending cabinet design uses overlapping sheet metal to form a rugged internal skeleton that keeps our cost down and our strength to a maximum.

No unprotected controls are exposed for accidental tripping, maximizing your control over the electrical environment.

Our rounded corners allow for safe movement around our cabinets without the problem sharp edges cause.

The opening at the bottom of the units allows for the cool air to be drawn into the cabinet, while also providing an esthetically pleasing reminder of who we are.

Fork-lift openings are reinforced to allow for lifting of even the heaviest of units.



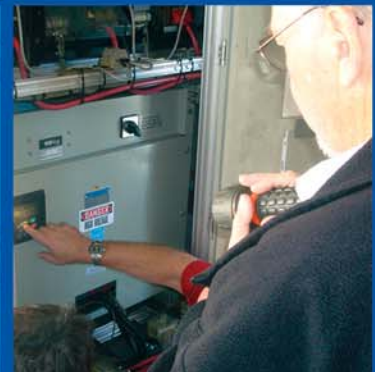
Sea Launch

When you think of Mission Critical requirements, you cannot get more critical than launching a rocket into space. When Boeing designed the “Sea Launch” sea going platform, they thought of DSPM to provide safe reliable power. With each launch costing millions of dollars and only having one chance to get it right, they did not want to have to worry about power availability when they need it. DSPM has provided “The Difference” for Sea Launch.

Our systems provide power to mission critical equipment that is absolutely needed for the safe launching of every rocket that Boeing has sent into orbit. We have been there since the beginning of the project. We have supported these systems for many years and look forward to providing others with their types of critical requirements.

Our units are subjected to the rigors of ocean travel and environment. Additionally, the vibrations that occur during the actual launching are tremendous; our standard units were customized to Boeing’s specifications, independently tested and evaluated at testing laboratories.

We had each unit certified to meet the specifications, with the testing lab reports to back it up. When you need a rugged, reliable, “Mission Critical” unit, DSPM will provide whatever you need, with the reliability you expect.



Military



DSPM has provided High Frequency Automatic Voltage Regulators for the US government, requiring sub cyclic total response time, instead of just the normal three to four cycle response. Automatic Voltage Regulators for the US State Department, requiring unique front-end voltage compensation capabilities and specialized connectivity are helping to keep our country secure.

Frequency Converter: DSPM designed and manufactured 60 to 400 Hertz Frequency Converters for Military Programs, Commercial and Airport operations. Our systems can be modified to meet outdoor or extreme environmental conditions. Our standard product line ranges from 10 Kva to 225 Kva.



Airports

When our Nations Capital needed an emergency backup system to protect Reagan International Airport, they turned to DSPM. DSPM provided backup systems that help keep our President, citizens and foreign visitors safe. These systems backup the airport lighting and security systems, with DSPM providing the "Power to Make a Difference" our nation's Capital is always safe and secure. Our units are always there when needed. Let us do the same for your critical loads.



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Port Authority

When the Port Authority of Long Beach, California decided to review their emergency electrical requirements, some of the items on the list were constantly exposed to an ocean environment. The security interfaces needed to be extremely reliable and dependable systems that would not fail at critical moments. The Port Authority called on DSPM to provide a system to meet those requirements. Our commitment to every detail provided a solution that can be copied all over the country. With thousands of ships and trucks passing in and out of our ports daily you can count on DSPM to provide a complete and total solution for these critical applications.

Department Stores & Malls

Shoppers in your facilities or moving in or out of parking structures need lighting to move safely, no matter the weather conditions, or the status of utility companies. Providing backup for your cash registers, security cameras or your emergency lighting is critical for the future of your business, and safety. You can count on DSPM to provide the right power at the right time, no matter what your requirements are.



Stadiums

With thousands of people at a single event, can you imagine what panic can ensue without electrical power at a critical time? Any emergency can cause panic but with a DSPM emergency power system in place you can relax knowing you are protected at all times. DSPM systems will constantly monitor the utility power grid and all of our internal operations to make sure that electrical power is always available when you need it the most.

The products of DSPM are a tremendous resource for almost every energy use and power management problem.

Our product lines include:

- Emergency Lighting Inverters
- 5th Generation Static UPS Systems
- Harsh Environment Products
- Automatic Voltage Conditioners
- Isolation Transformers
- Static Frequency Converters
- Voltage Phase Stabilizers

Understanding your Business comes first

Because it's all about the "Power to Make a Difference", we begin with you and your unique needs for smooth, dependable power. We want to know everything about your operations' energy requirements — now and in the future. You'll be working with a dedicated team of electrical engineers and applied engineering specialists that can identify the most seamless solutions, tailored to the individual requirements of your business enterprise.

Applied engineering expertise you can depend on

There is no substitute for application experience. We take pride in the unequalled applied engineering know how of our management and engineering staff. There are few energy problems we have not encountered. DSPM products provide solutions for a large spectrum of industrial, commercial and military applications:

- Manufacturing
- Hospitals
- Data processing
- Military/government
- Industrial Precision
- Telecommunications
- Broadcasting
- Medical and pharmaceutical manufacturing
- Utilities
- Office complexes
- Transportation

Move your business from energy interdependence to independence

On average, the nation's energy usage has increased by 25% in the last decade. At one time there was a surplus of cheap and plentiful electric power. No more. Since Three Mile Island, not a single nuclear power plant has been built and many have gone off line. Hydroelectric power is equally stagnant, and many coal fired generation plants have been converted to natural gas. Coal fired plants have traditionally produced most of the nations' electric power, but new capacity has been stalled by acid rain and other environmental concerns. However, you don't have time to wait, so how do you survive and prosper in an era of bureaucratic delays, power politics and uncertain energy supply? Quite simply, you can call on DSPM's 100+ years of experience in power system design and management.



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