Electronics

Providing Advanced Technologies

Lighting & Power Distribution

THE FEDERAL PRISON INDUSTRIES ELECTRONICS BUSINESS GROUP produces technically advanced, mission-critical electronic products and components. Our lighting and power distribution equipment is used around the world on military bases, federal agency and law enforcement command posts, heavy duty equipment, secure communications systems and sensitive electronics for aircraft, ships and smart weapons.

The Electronics Business Group has significant experience in producing high-performance, rugged and reliable lighting and power distribution equipment for the U.S. Armed Forces, federal agencies, law enforcement and military OEMs.

Proven Success

>>> The Electronics Business Group has over 60 years of experience in manufacturing heavy-duty, rugged lighting for use in demanding environmental conditions, and power distribution equipment that has broad applications, ranging from heavy equipment operation to protecting and powering sensitive electronic equipment.

Full Range of Services

>>> We provide one-stop shopping for lighting and power distribution needs—from CAD and prototyping services through production and distribution. We can customize our range of services to meet your needs.

100% Guarantee

>>> Our precision-made products are manufactured in a statistical process control (SPC) and ISO 9001:2000 environment. All lighting and power distribution equipment is 100% inspected and 100% guaranteed to meet rigorous military, agency and commercial specifications.

We have an extensive quality control testing program at our production facilities. Our staff participates in on-going training programs to ensure they are fully adept regarding new manufacturing trends and developments.

On-time Delivery & Production Capacity

>>> The Federal Prison Industries nationwide production facilities are fully equipped and staffed to handle your lighting and power distribution needs, from simple to complex. We can provide you with immediate production capacity, and have the flexibility to meet accelerated delivery schedules.

Unmatched Customer Service

>>> The Electronics Business Group has customized distribution networks in both the United States and overseas. Our unmatched attention to quality and customer service ensures that our products are available where, when and how you need them.

Competitive Pricing

>>> Prices for our lighting and power distribution equipment are highly competitive. Because of our extensive knowledge of federal government procedures, we make your procurement process easy and convenient.

High Performance in Demanding Environments

LIGHTING

The Electronics Business Group produces and can customize heavy-duty, reliable flood lights, drop lights and lighting kits. We also manufacture and distribute power distribution cross links to operate lighting equipment from a central power source or generator.

Our lighting products are used in illuminating runways, base camp living quarters, kitchens and hospital tents, operations command centers and almost every other military, agency and commercial use where portable, heavy-duty lighting is required.

Flood Lights

The Electronics Business Group produces two-wheel and four-wheel towable flood lights powered by heavy-duty, liquid-cooled diesel engines. Our flood lights have tough, welded steel frames, telescoping masts that rotate 360 degrees and halogen lights capable of producing 220,000 initial lumens of light.

Our tactical flood lights have successfully passed rigorous performance testing for safety, physical configuration, towing, stability and rail impact as well as environmental factors. They are ideal for use in military, agency, law enforcement, emergency management and fire and rescue operations as well as on construction sites. We also supply all replacement parts for our flood lights and can distribute them around the world on rapid notice.

Power Distribution Cross Links

The Electronics Business Group produces power distribution cross links that allow lighting and equipment with different voltage and amperage requirements to be linked to a central power source. Our power distribution equipment is heavy-duty, environmentally hardy and rugged enough for multiple deployment and retrieval.

We have the capacity to customize power distribution cross links to your needs. We also supply replacement parts, such as insulated cables and connectors, transformers and other transmission equipment, and cable joints and terminations.

Our power distribution cross links are in use on military, law enforcement and federal agency command posts and outposts and are also ideal for use on commercial construction sites and temporary facilities.

Drop Lights

Drop lights manufactured by the Electronics Business Group are made for heavy-duty operation under a wide range of combat and environmental conditions on military bases and in command post mess tents, kitchens, hospital tents and living quarters. We supply all necessary parts for lighting installation, including wiring, ballasts, bulbs and fixtures.

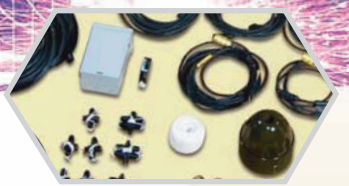
String Lights

The Electronics Business Group produces string lights for uses ranging from lighting tents and walkways at command posts to illuminating military runways. These string lights are heavy-duty, waterproof and rugged enough to withstand wide temperature ranges and dust. They are resistant to hostile gases, petroleum products and solvents.

Light Kitting

To expedite installation of lighting, the Electronics Business Group produces lighting kits customized to your specific requirements. These kits can include wiring, ballasts, bulbs, fixtures, extension cables, insulation materials, and electrician's tape and tools.

Our lighting kits save technicians' time by providing all parts and tools required for lighting installation. Our kits also help lower inventory management costs by reducing warehouse or supply depot space needed to store individual parts and tools.



POWER DISTRIBUTION (PDICE)

The Electronics Business Group manufactures and customizes heavy-duty, end-to-end power distribution solutions for sensitive, mission-critical test systems, control equipment and electronic devices. We are a valuable resource for military, agency and OEM customers that have special requirements for power distribution and control.

Our power distribution units:

- Are available in one-phase or three-phase standard, modified standard and customized formats.
- Can be customized as to output receptacles, panels and uninterruptible power systems.
- Are offered in a choice of electrical ratings and include EMI/RFI filters, transient suppression and circuit breakers.
- Can be rack mounted.

The Electronics Business Group power distribution units provide multiple levels of power distribution for defense, avionics, communications equipment and data centers. They are used to test flight and combat systems of military aircraft, deliver reliable power to critical shipboard systems in combat, and to power command center and outpost communications.

Extension Cords

Our heavy-duty extension cords can be found worldwide, connecting equipment, lighting and communication systems to power sources in military facilities, on shipboard, for secure communications systems and to operate heavy equipment.

Our extension cords:

- Come in virtually any length and incorporate any plug type, including NEMA, three-conductor, heavy duty and locking plugs as well as multiple plugs.
- Are polarized, UL and CSA approved.
- Meet military specifications.

Surge Protectors

The system of lines and transformers that supply power to mission-critical equipment is very complex. Failures can occur at many different points, making surge protectors and power supplies vital to continued safe, reliable operation of electrical and electronic equipment.

The Electronics Business Group manufactures a wide range of surge protectors:

- Designed for AC and DC power, data, RF or co-axial lines.
- That use a heavy-duty, multistage design for fast response time and high power handling capacity.
- That contribute to equipment life and eliminate many costly downtimes.
- Available for single-phase and three-phase networks.
- That protect sensitive equipment from lightning strikes and electrical transients.

Our surge protectors are designed to safeguard instrumentation and control equipment, radio base stations and wireless and telemetry systems. They automatically reset after each surge, making them maintenance free.

CONTACT US

A full list of our products is available on request. Federal Prison Industries excels at producing customized products and service solutions to meet your lighting and power distribution requirements.

Contact us to see how Federal Prison Industries can become your number-one source for quality, high-performance, reliable and rugged lighting and power distribution equipment.

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