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SSD Drives
Solutions for Power Generation
Parker - SSD Drives offers efficient, green solutions for Power Generation applications. In addition to hydraulic, fluid handling, and filtration technologies, Parker manufactures electric power conversion equipment from small AC motor speed controls to utility scale grid tie inverters. Parker's SSD Drives Division has a 35 year track record in the manufacture and application of this technology. Anywhere power conversion is required, whether as an AC motor speed control, DC to AC inverter, or Grid Tie inverter configuration, Parker has the equipment to do the job.

Save Energy!
Centrifugal fans, blowers, and pumps offer tremendous opportunities for energy savings when adjustable frequency drives are used to replace dampers, louvers, or bypass valves. Reducing the driven speed of most fans, blowers, or pumps by using an adjustable frequency drive cuts the load by squared or cubic proportions, not only reducing the power required, but potentially extending the life of the motors and related mechanical equipment. Ask your local territory manager for a free payback analysis of your fan or pump application.

Black Start Solutions
Parker offers innovative black start solutions that do not rely on diesel powered generators. By incorporating a battery energy storage system properly sized for your station’s service power requirement, we provide a green and efficient alternative to traditional methods.

Compact Size
Floor space is usually at a premium in existing power plants. With the compact design of our AC890PX series, you will be able to pack a lot of power into a small footprint. And though our cabinets are compact, we do not compromise the ability to easily wire and install the units. Terminals are large and conveniently located, capable of being accessed without any disassembly of the unit. Options for top or bottom power entry provide installation flexibility. Systems are provided with power disconnects and line protection built into the cabinets.

Clean, Controlled Power
Our Active Front Eind grid tie inverter systems are kind to the power grid. With engineered filters for harmonic mitigation, our inverter systems produce electrical power clean enough to put back on the grid, easily meeting IEEE519 requirements, and at virtually unity power factor.

Energy Storage
Parker offers solid state utility scale energy storage systems that are scalable from kilowatt size to multiple megawatts of power. Applications include grid frequency stabilization, peak shaving, and dynamic reserve power. Systems include grid tie inverters, battery banks with battery management system, switchgear, and control equipment. Transportable modules built into shipping containers or trailers are available.

Reduce Peak Demand
Installing an AC drive can reduce peak current demand during motor startup. A user-programmable acceleration ramp and current control will bring the motor and its load up to speed in a controlled manner, eliminating the 400 to 500% surge associated with across-the-line starting, for operation that is easier on the motor and load, and also on the grid.

Power Conversion Systems through 2MW
230/380/415/460/575/690 Volt Models

Easy to maintain
The AC890PX high power series (110kW - 2MW) is designed with a unique modular "Powerpak" design consisting of individually removable phase modules – weighing in at under 50 pounds for ease of shipping and installation. The phase modules, supply module, and capacitor modules slide into a rack with all power connections made by heavy-duty plugs on the back of each module. A module can be replaced in minutes, even by an unskilled technician. Each module contains its own diagnostic indicator for easy troubleshooting. An integrated bus system makes the unit easy to wire, saving time in the installation process.

Global Support
Parker Hannifin is an inter-national company with sales exceeding $10 billion and over 400,000 customers worldwide. With over 8,600 authorized Parker distributors, across the globe, you can be assured of local support wherever you are, 24/7.
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Power Conversion Systems through 2MW 230/380/415/460/575/690 Volt Models

Applications:
- Redundant synchronous generator field supply
- Gas turbine electric starting system
- Solid state Black Start solutions
- Turbine sub-system support
- Battery energy storage system
- Cooling tower fan drive
- Adjustable speed ID/ID fan drive
- Adjustable speed pump drive
- Grid tie inverter for wind turbine or PV solar applications

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