



# Power Systems Product Group



## Excitation Control Systems



Basler Electric is a full-line supplier of excitation systems. With the recent acquisition of the Cutler-Hammer Excitation Control Product Line, Basler has expanded the scope of its excitation product offering. The combined technology and experience created by merging these two synergistic product lines places Basler in a premier position to provide an Excitation System Solution for any new generator installation or retrofit application. Basler Excitation Systems are custom designed to match particular specifications and applications.



## Voltage Regulators

Basler Electric manufactures a complete line of automatic voltage regulators. We offer voltage regulators with analog or microprocessor-based technology. These units range from simple voltage regulators to complex excitation systems. This unique flexibility provides precision control of virtually any size generator, whether it is applied for standby power or prime power, and they are ideal for distributed generation, cogeneration, and peak shaving applications. Basler Electric has a reliable, high performance voltage regulator to meet the needs of any application.



## Genset Controllers

The DGC family of genset controllers offers a wide range of alternatives for genset control, protection, and monitoring for your application and budget. Our controllers range from simple keystart units suitable for both genset and industrial engine control to very sophisticated units with transfer switch control, programmable logic, automatic synchronizing, and internal modems for dialing out when a problem occurs or dialing in to communicate with the DGC from any phone, anywhere. All of Basler's DGCs are intuitive, easy to use, reliable, rugged, and offer the maximum in available features and value.



## Protective Relays

Basler offers both BE1 utility grade relays and an economical line of BE3 industrial grade relays for basic protection. The utility grade relays are designed to operate in harsh electrical environments and meet or exceed all applicable ANSI/IEEE standards. They can be applied for feeder, intertie, bus, transformer, motor, and generator protection. Solid state, single function devices are still available; however, Numeric Relay Systems combine multifunction protection with control, metering, sequence of events reporting, data acquisition, and network communications capabilities.



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## Excitation Systems



Basler is known as the Retrofit Expert for old rotary excited systems. The Basler Solution provides significant advantages in performance, efficiency, and reduced maintenance. Basler also adds enhancements in upgrading existing voltage regulator systems with a multifunction stand-alone controller or with the addition of a redundant controller. All related accessories can be supplied on a pan chassis for an existing cubicle, or a complete system can be designed and built in its own cabinet. Numerous Application Notes are available that outline specific models, plants, and equipment that have been retrofitted.

## Voltage Regulators



Basler Electric has long been the leader in voltage regulation. We have been the pioneer in voltage regulators, with one of the first solid state devices ever made, and our line continues to grow, with today's modern high performance, value packed designs. Our present line of affordable analog voltage regulators offers high performance and value in one of the most rugged hardware packages on the market, making them the most flexible and dependable devices available. We have analog devices rated from 2 Adc to 36 Adc, and we have a voltage regulator for your application.

## Genset Controllers



If your application requires remote annunciation of alarms and warnings to meet NFPA110 Level 1 requirements, the advanced communications capabilities of the DGC line can provide it with our remote display panel, the RDP-110. This device can annunciate 17 alarm conditions up to 4,000 feet away and only requires 4 wires. This is a tremendous labor savings to the installation contractors and lets Basler Electric add even more value. The RDP-110 is available in two configurations for wall cavity or flush mounting to fit any installation requirements.

## Protective Relays



Optional BESTNet Ethernet package provides metering and status web pages, settings and configuration via Ethernet, and e-mail notification of as many as seven user-defined events. The BESTNet option connects your relays to the wired world. Embedded web server with metering, status, and fault summary information sends e-mail alerts of user-defined conditions. It comes with full BESTCOMS support, including IP Discovery function, over Ethernet Support for DHCP or static IP addressing. These options are currently available on the BE1-1051 and BE1-700 Series relays.