

BASLER ELECTRIC – RELAY SOLUTIONS FOR POWER SYSTEMS PROTECTION

Basler Electric is pleased to announce the new BE1-11g Generator Protection System, a multifunction relay designed to enhance the features and capabilities of the BE-GPS-100, which has provided protection for thousands of generators for nearly ten years.



Both relays offer a comprehensive mix of Protection and Control functions to protect generators against faults and abnormal operating conditions and include: Voltage controlled/restrained phase overcurrent, Negative sequence overcurrent and overvoltage, Instantaneous phase and ground overcurrent protection for inadvertent energization and 100% stator ground fault protection for high impedance grounded units. They also feature Reverse power, Loss of Field, Overexcitation, Breaker failure and Over /under voltage and frequency protection. Additionally, they have a Sync check function, Logic timers, virtual control switches, metering, monitoring, and fault recording.



The new BE1-11g Generator Protection System offers the functionality of the BE1-GPS-100 with an increased number of elements, communications media and protocols. Fiber optic or copper Ethernet connections are available for Modbus, DNP3.0 and BESTNet protocols, plus new BESTCOMS*Plus*. The user-friendly software makes it easy to set up and monitor the relay and has BESTLOGIC*Plus* to create custom logic schemes for specific applications. BE1-11g has two additional frequency elements and adds dual zone mho type loss-of-field characteristic. In addition to standard definite time delays, Over/Under voltage elements include inverse time curves, which can monitor calculated positive and negative sequence voltages. Time overcurrent functions expanded from five to eight elements and from eighteen to twenty four defined curve shapes, plus added four tabular (T) time delay curves, allowing the user to tailor curves to a set of circumstances, including a discontinuity, such as a motor.

Both relays come in a compact, half -rack, drawout case and provide the performance and accuracy of larger, more costly relays without sacrificing features and functions required to protect small to medium-sized generators.

For more details about Basler Electric range of products, we welcome you to our **Stand F19** at Power Generation & Water Middle East Exhibition in Abu Dhabi, United Arab Emirates.

Experience Basler Electric solutions first hand which have proved to create a long-term value for their user.