

REGULATION SOLUTIONS FOR ALL APPLICATIONS

Critical Operations Rely on Basler



Basler
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Now Part of



Littelfuse

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As a Global Energy Technology Leader, We are Advancing the Energy Transition

Basler has been helping customers solve some of the most complex, mission-critical energy challenges for over 80 years. Global power demand from data centers is increasing at unprecedented levels. Grid resiliency and modernization is at the forefront with 70% of the power grid being 25+ years old. Over 40% of large businesses in the US now have some form of on-site generation or microgrid to support the increasing demand for reliable power supply.

The world needs more power. As a global energy technology leader serving 145 countries, we are advancing the energy transition.

80+

YEARS AS AN INDUSTRY
LEADER IN POWER SYSTEMS

25%

PRODUCTS UTILIZED BY
FORTUNE 100 COMPANIES

340+ GW

WORLDWIDE CONTROLLED BY
BASLER SYSTEMS

70%

OF THE TOP 100 US POWER
COMPANIES USE BASLER
PRODUCTS



“Our commitment to the customer has been the same for over eighty years. Care about customers, view them as partners, understand their needs, and provide a quality product line.”

Bill Basler, Chairman of the Board and Chief Executive Officer

Analog, Digital, & Manual Voltage Regulators

Complete Digital Systems and Analog Designs provide solutions for any application

65+ YEARS

of industry leading experience in AVR design and application

4 to 10 kA

of excitation current capabilities

24/7 Tech Support



Reliable in the harshest applications

- Salt fog and humidity tested
- Shock and vibration tolerance among the highest in the industry

Leaders in innovation

- Autotuning feature available for simple, fast, and accurate setup
- Reactive load sharing via communications for system load sharing and response

Analog Voltage Regulators

Complete digital systems and analog designs provide solutions for any application



AVC63-12 & AVC125-10

- Regulate the level of excitation supplied to the field of a conventional, brushless, synchronous generator.
- Single-phase or three-phase voltage sensing.
- Integrated paralleling provides exceptional reactive-load sharing with simple setup for quick commissioning.
- Overexcitation shutdown.

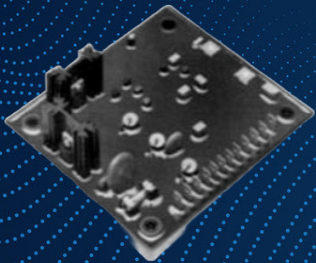


AVC63-7



AVC63-4A & 4D

- Frequency compensation
- Eliminate setting errors with simple adjustments
- Potted design allows for installation in harsh environments.



AVC63-4 & AVC63-4D



AVC63-2.5 & AVC63-2

- Voltage regulation performance is constant over the entire operating temperature range.
- Volts-per-hertz limiting, overexcitation shutdown, provisions for external voltage adjustments, and integrated paralleling provisions.



APR663-5



BE300PM & BE350

Digital Voltage Regulators



DECS-250

Complete digital excitation control in a compact package provides voltage, VAR, and power factor regulation.

- Auto tuning/Load sharing over ethernet.
- Optional power system stabilizer.
- Trending, oscillography, sequence of event recording



DECS-150

- Var/Power Factor control.
- Load sharing over ethernet.
- Ethernet communications over Modbus TCP.



BE2000e

- Four control modes.
- Six protection functions.
- Ideal Marathon DVR replacement.

Manual Voltage Regulators



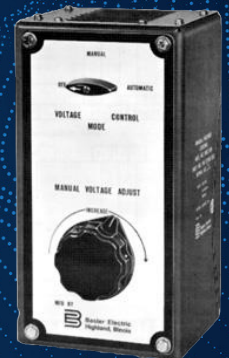
MVC-236



MVC-300, -301



MVC-112



MVC-104, -108, -232

- Provides the ability to manually control excitation in the event of a regulator failure or sensing transformer failure. This allows the operator to maintain power to critical and emergency loads until a repair can be made.
- These controllers offer a variety of functionality to meet many manual backup applications.
- Rugged field-proven designs that you can rely on in an emergency situation.
- Some of the MVCs offer remote control capability so that the operator can be located outside the generator room.

You're in Control



RDP-110C

Remote Display Panel

The RDP-110C allows DGC (Digital Genset Controller) users to easily meet the annunciation requirements of NFPA-110 applications. Simple integration to the genset control system provides alarm and pre-alarm indication and annunciation of system status.

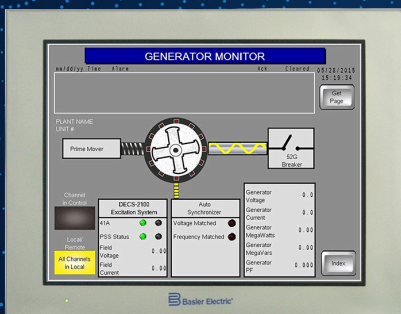


DGC-2020

Digital Genset Controller

Microprocessor-based controller integrates a function-packed, easy-to-use feature set with a fully-configurable programmable logic controller to reduce installation costs by eliminating peripheral components and maximizing user flexibility to easily meet specific requirements.

Extremely rugged, potted design and industry-leading temperature, vibration, and shock specifications make the DGC-2020 optimal for harsh genset applications.



IDP-2020

Interactive Display Panel

The IDP-2020 Interactive Display Panel is a pre-programmed human machine interface designed to work with the DGC-2020 and the DGC-2020HD. The device includes a full-color touchscreen and an intuitive, user-friendly program to help customers view and manage their genset controls, alarms, and metering. Programming options are available for use with single generator or multiple generator applications.

BE1-FLEX

One Device, Any Application



Basler introduced the first solid-state relay, the first commercial numerical relay, and now a revolutionary digital relay.

Futureproof Protection, Control and Automation

Limitless Hardware and Settings Configurability

Secure and Flexible Communications

Real-Time Advanced Recording

Large, Customizable HMI Touchscreen

Flexible and Scalable Energy Integration

Efficient Field-Upgradable

Powered by BESTCOMPlus Engineering and Configuration Software

Tailor Protection Schemes with Customizable Logic Blocks

A Revolutionary Digital Relay Built for Grid Modernization

Optimize Asset Lifespan

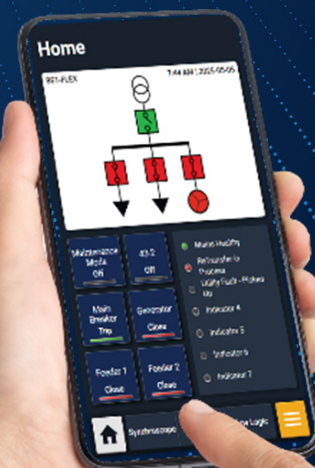
Decrease Training Costs

Reduce Software Costs

Accelerate Time to Value

Lower Costs of Spare Parts

Reduce O&M Expenses



Basler Offers a Broad Portfolio of Products and Services

Power Systems Products

- Excitation Systems
- Voltage Regulators
- Protective Relays
- Genset Controllers

Custom Transformer Products

- Class 2 Transformers
- Large Power Transformers
- Small and Intermediate Power Transformers
- Value-Added Transformers Value-Added Assemblies

Private Labeled and Custom-Engineered Products

- Custom Designed Products to Meet Customer Requirements

BESTCOMS Software Family

- Intuitive, Purpose-Built Commissioning and Installation Software
- Manage Communications, Operations and Maintenance
- Access Real-Time Reporting and Analytics

Engineering Services

- Electrical System Application & Design
- Turnkey Installation Services
- Onsite Services
- Consulting Services
- Field Service for Commissioning and Troubleshooting Support

24/7 Technical Support

- Excitation Systems Troubleshooting
- Protective Fault Data Analysis
- Generator Start-up Support
- Replacement Product Review
- Custom Settings Evaluation

Basler University Training

- In-Person Training
- eLearning
- Custom Training
- On-Demand Courses



Industries We Serve



Utilities



Data Centers



Oil & Gas



Telecommunications



Marine



Water & Wastewater



Grid Modernization



Microgrids



Pulp & Paper



Industrial Manufacturing



Mining



Power Generation



Agribusiness



Commercial Laundry



Defense



HVAC



Power Distribution



Beverage Dispensing



Railway



Commercial Kitchens

Automatic Voltage Regulator Selection Chart For Low Voltage Applications

MODEL	FIELD RELATED VOLTS (Vdc)	FIELD RATED AMPS (Ade)	MINIMUM FIELD RESISTANCE (Ω)	FIELD FORCING AMPS (Ade)	FIELD FORCING VOLTS (Vdc)	SENSING CIRCUIT RATINGS			POWER INPUT RATINGS			PARALLEL COMPENSATION	SPECIAL CHARACTERISTICS
						1PH / 3PH	NOMINAL VOLTAGES	FREQUENCY (Hz)	NOMINAL VOLTAGES	FREQUENCY (Hz)	BURDEN (VA)		
DECS-250	32 63 125	15	2.13 4.20 8.33	30	50 100 200	1PH/3PH	NOTE 1	50/60	60Vac 120Vac/125Vdc 240Vac/250Vdc	50-500 and dc	780 1570 3070	Standard	Micro-based includes VAR-Sharing over Enet, Autotuning, VAR Limiter, Programmable Logic, Stator Current Limiting and Real-Time Monitor
DECS-150	63 125	7 10**	9 17.85	10 14	90 135	1PH/3PH	90-660	50/60	120Vac 240Vac	50-500	650	Standard	Low cost, Micro-based includes Auto Tuning, SCL Limiter, Programmable Logic, and Real-Time Monitor
BE2000E	75	3	18	7.5	150	1PH/3PH	120-600	50/60	180 - 240Vac	120-300	330	Standard	Designed to control Single-Phase PMGs
AVC63-2	63	2	32	3.17	100	1PH	208/240	50/60	240Vac	50/60	350	None	Encapsulated
AVC63-2.5	63	2.5	25.2	3.97	100	1PH	208/240	50/60	240Vac	50/60	350	None	Encapsulated
AVC63-4	63	4	15	7	100	1PH	208/240	50/60	240Vac	50/60	500	None	Encapsulated
AVC63-4A	63	4	15	9	134	1PH	120/240	50/60	120Vac	50/60	450	None	Encapsulated
AVC63-4D	63	4	15	7	100	1PH	208/240	50/60	240Vac	50/60	500	None	Encapsulated with pots. down
AVC63-7	63	7	9	12	100	1PH	208/240	50/60	240Vac	50/60	900	Standard	Encapsulated
AVC63-12	63	12	5.25	24	125	1PH/3PH	120/240	50/60 or 400	120Vac	50-400	1092	Standard	High Power, Low Cost
AVC125-10	125	10	12.5	20	250	1PH/3PH	120/240	50/60 or 400	240Vac	50-400	1750	Standard	Rugged Design
BE350	73	3.5	21	5	105	1PH	190/240	50/60	240Vac	50/60	500	None	Includes EMI
BE300PM	63	3	15	5	100	1PH	240	50/60	240Vac	250-300	500	None	Includes EMI
VR63-4/UL	63	4	15	7	100	1PH	208/240	50/60	240Vac	50/60	500	NOTE 2	As Above, UL Recognized
VR63-4A/UL	63	4	15	7	100	1PH	120	50/60	240Vac	50/60	500	NOTE 2	As Above, UL Recognized
APR63-5/UL	63	5	12.6	8.5	105	1PH	208/240	50/60	240Vac	50/60	650	Accessory	As Above, UL Recognized

NOTE 1: 120/208/240/416/480/600 Volts

NOTE 2: This regulator is designed for systems that do not require paralleling. For paralleling applications, contact factory.

*High Power option (250 Vdc Out) is 50/60Hz only. **10 Adc continuous is possible by limiting the max operating temperature to 55°C.