



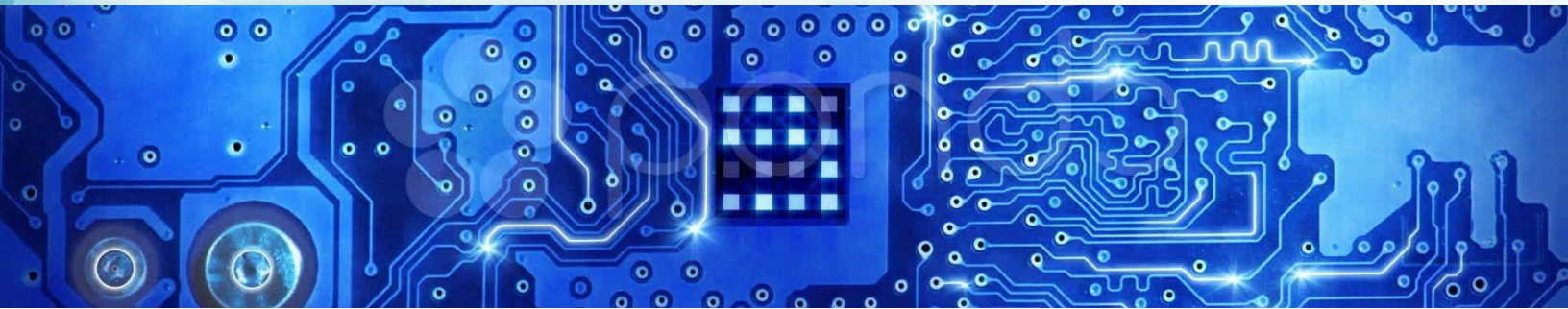
BETA POWER CONTROLS

ISO 9001-2015 CERTIFIED COMPANY

Since 2007



Static Stabilizer



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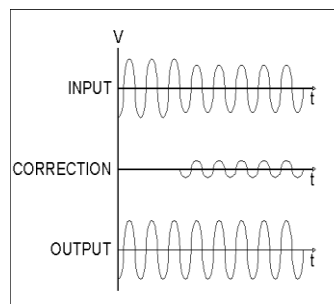
BETA POWER CONTROLS, COIMBATORE, INDIA an ISO 9001:2015 TVE accredited company,

Leading manufacturing & Exports of Frequency Converter, Servo voltage stabilizer, Isolation Transformer, Phase converter, Variable Transformer, Rectifiers, Electrical Panel, Automation Panel, Energy saving equipment in India. Our products are well appreciated world over and received much recognition quality.

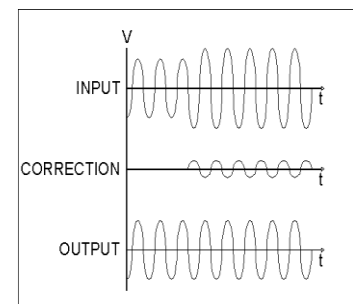
Established in 2007 with a corporate objective to provide efficient energy for greener future, Beta power controls has grown to be one of the country's biggest manufacturers of power saving and power conditioning equipment's with the largest satisfied customer base. The products manufactured by us have made a distinct place in the market owing to their features like excellent performance, longer lifespan and less power consumption. with an objective to manufacture quality products, our experts use the latest equipment and best quality raw material provided by our trusted vendors of the market. We regularly Exports to **Kenya, Muscut, Egypt, Tanzania, Ethiopia, Nigeria, UAE, Kuwait, UK, Saudi Arabia, Malaysia, Phillippines, Srilanka, South Africa, Yemen, Benin, Mozambique, Peru, Singapore, Muscat, Logos, Angola, Congo....**

FIELD OF APPLICATION

- *Industry & commerce
- *Textile machinery & printing
- *Medical & Hospital service
- *CNCs /processing industries
- *Commercial /Telecommunication services



CORRECTING LOW INPUT



CORRECTING HIGH INPUT

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Why Static Voltage Stabilizers?

- Super quick response time of 50 microseconds
- Fast regulation speed of 2500 volt/sec (minimum)
- Continuous supply of highly stable output voltage
- Independent phase correction and capable to handle unbalanced 3-phase input without any trouble
- Built in protections against: over / under voltage, phase reversal, single phasing, over load, over temperature & short circuit
- Zero maintenance cost because of no mechanical or moving parts.
- Completely noiseless operation
- Lowest foot print (less space needed)
- Compatible for all kinds of loads
- >99.8% efficiency
- Greatly improves power quality and reduces electricity consumption at site of installation



ADVANTAGES

IGBT Based Electronic Voltage Regulation

Fast, Accurate & Continuous Voltage Regulation

Effective Isolation from Grid Disturbances and Fluctuations

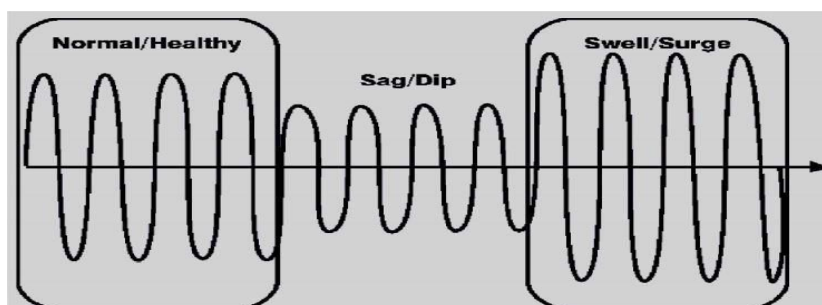
Efficient Operation of Equipment Increased Productivity

Improved Product Quality, Reduced Rejections.

No Batteries, No Moving Parts.

TECHNOLOGY

- **IGBT based converter technology for continuous voltage regulation**
- **Converter not connected in the load path, correction voltage injected through transformer**
- **Modular design allows independent regulation of each phase**
- **Dual voltage tracking for the most accurate and fastest possible voltage regulation**
- **Internal current tracking to detect overload quickly**
- **Allows bi-directional power flow to realize full scale sag as well as swell correction**
- **Redundant internal bypass is engaged in case of an internal fault and load can be operated directly from grid supply**



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TECHNICAL SPECIFICATIONS	
Operating Voltage	1F+F (225-470VAC) Standard
Input Voltage Ranges	1F+F (300-450V)Standard
Output Voltage	1F+N 380 VAC +/- %1~3 Standard (400V ve 415V optional)
Control and Process Control	Multi-Microprocessor Control (DSPIC)
Operating Frequency	50 Hz +/-%5 (60 Hz Adjustable)
Efficiency	>%97 (in nominal terms, at full load)
Operating Temperature	-10 C lie + 50 C range (Speci al coolin g unit)
Protection	Passive and electronic Protection (Overvoltage, under voltage, overcurrent, peak, surge, rign and spike protection)
Display	Graphic LCD Display for each Phase Output Voltage, Output Voltage, Output Current, Load Percentage, Output Frequency, Regulator Status and Fault Information, Overload Warning, Input Fault Warning, Output Fault Warning, etc. information can be monitored.
Communication	Dry Contact (Optional; Ethernet /USB / MODBUS TCP/IP)
Filter	At the entrance of the system there is an electricity noise filtering special filter system and network filters.
By Pass	Manuel by pass (Opsiyonel ; Auto By Pass)
Relative humidity	%90 (condensing)
Acoustic Noise	50 dB(A)'less
Protection Class	Ip 20 (Optional; Outdoor Cabinet)
Standards	EN50091-1/EN62040-1(Safety) EN50091-2/EN62040-2 (EMC

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OUR OTHER PRODUCTS

SERVO STABILIZER



Type of cooling	Oil cooled
Capacity	3kva – 3000kva
Input voltage	As for Customer requirements
Output voltage	As for Customer requirements
Phase	1 phase or 3 phase
Correction speed	20v/70v/110v/sec
Response time	<10 milliseconds
Efficiency	98% as per standards
Degree of protection	IP21-IP55 as required
Monitoring facility	Microprocessor LCD display



Type of cooling	Air cooled
Capacity	3kva – 1000kva
Input voltage	As for Customer requirements
Output voltage	As for Customer requirements
Phase	1 phase or 3 phase
Correction speed	20v/70v/110v/sec
Response time	<10 milliseconds
Efficiency	98% as per standards
Degree of protection	IP21-IP55 as required
Monitoring facility	Microprocessor LCD display



Type of cooling	Air cooled
Capacity	1kva – 50kva
Input voltage	As for Customer requirements
Output voltage	As for Customer requirements
Phase	1 phase
Correction speed	20v/70v/110v/sec
Response time	<10 milliseconds
Efficiency	98% as per standards
Degree of protection	IP21-IP55 as required
Monitoring facility	Microprocessor LCD display

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Our Valuable Customers
