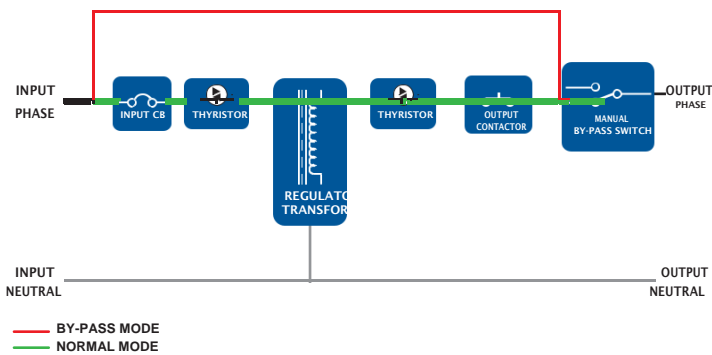


IMPR - 3P60 SERIES STATIC ELECTRONIC VOLTAGE STABILIZER



- Power : 60 kVA
- Input Voltage Range : (-%20 / +%20)
- Smart voltage regulation software
- High speed voltage regulation (500V/sec.)
- High efficiency (>97%)
- Protection against over load, over temperature, high voltage, low voltage and other failures.
- Designed for heavy duty industrial working conditions
- Maintenance free electronic voltage management technology
- Fast voltage correction for sag and swells in voltage
- Built in surge arrester for surges and sags
- Independent phase regulation to correct voltage and load imbalance
- Self - test facility
- LCD Display for easy monitoring



Single Line Diagram



**We're Managing Voltage
You're Saving Energy.**

PRODUCT SPECIFICATIONS

What is STATIC VOLTAGE STABILIZER?

IMPR Static Voltage Stabilizer; are the devices of voltage control, protection and management which are microprocessor controlled, and which have high speed semiconductor technology.

They are adjusted to the right voltage value required by industrial devices that are fast growing and that are becoming more sensitive; and they are designed to meet their continuous, settled and secure energy needs.

What are the APPLICATION FIELDS?

IMPR Static Voltage Stabilizer, which can be produced in a very wide input voltage interval for places where grid voltages drop or rise excessively, evaluates grid voltage decreases and increases in 0.020 seconds when the main grid voltage drops -60% or rise +40% and corrects with 500V/sec. Speed.

By this means, your high-cost industrial devices are protected against dangerous voltage changes and also it enables your systems to work with high efficiency and without interruption.

How do we DESIGN?

IMPR Static Voltage Stabilizer is designed with its compact, aesthetic and modular structure, in such a way that it can be easily connected with electric systems everywhere in the world. "BUS-BAR PANEL INPUT-OUTPUT MODULE" which is required for direct connection can be added to BUS BAR systems optionally on request.

Information such as Input Voltage, Output Voltage, and Load Amount etc. can be viewed; breakdown and warning information can be followed on LCD DISPLAY which is standard in IMPR SVS. One may reach devices over on the web, view all information on LCD DISPLAY and change setting values of the device with "REMOTE VIEWING AND MANAGEMENT".

How do we PROTECT Your Machines?

IMPR Static Voltage Stabilizer has High Voltage, Low Voltage, Over-temperature, Overload, Short Circuit and Phase Break protections for its own operating safety and also for all electronic devices in your business to work safely. There is a "Manual By-pass" unit which enables the loads to be transferred directly to network voltage for providing usage exibility and working safety. It is equipped with thermomagnetic fuses in its input and output terminals.

STRUCTURAL SPECIFICATIONS

- 2kVA - 3200kVA with single phase and three phase outputs
- All industrial voltage value (208 - 380 - 400 - 415 - 480 - 600V)
- Wide input voltage range -20% / +20%
- Maintenance-free new technology with Microprocessor controller.
- High speed regulation (Up to 500V/sec.) ■ High Efficiency (97%) ■

Self-test facility

- A circuit breaker is used with an appropriate value according to the nominal input voltage
- CPU controlled thyristor units for power management
- Protection against over load, over temperature, high voltage, low voltage etc.
- Flexible design and software property that can easily orient it self to different grid and voltage conditions.
 - On / Off and manual by-pass switch for working through grid, in cases where malfunction happens or when maintenance needs.
- Real static-modular design with THYRISTOR technology used in power units and SMPS technology in feeding units.
- "Remote Management System" and software support by which the user can remotely view manage all of these information.
- Production according to ISO 9001:2008 Quality Management System.
- New technological design that is suitable for industrial environments like very dusty conditions, humidity and vibration.
- Maintenance free design.
- Safe usage for all electrical devices.
- Minimal size, long life.
- User friendly, easy and comprehensive LCD Display and mimic diagram
- Compact structure with high quality material and minimum malfunction hazard
- Surge Arrester against sudden voltage increases and streaks lightning
- Spare part providing guarantee for 10 years

MODEL&POWER		TECHNICAL SPECIFICATIONS OF IMPR-3P60 MODEL THREE PHASE STATIC VOLTAGE STABILIZER		
	Model	IMPR-3P60		
	Power	60kVA		
	Power range	1		
INPUT	INPUT			
	Voltage	380/400 VAC Three Phase + Neutral		
	Voltage Tolerance	S(-20%,+20%)		
	Frequency	60Hz ± %5		
	Input Connection	Screwed Terminal		
OUTPUT	OUTPUT			
	Voltage	380/400 VAC Three Phase + Neutral		
	Voltage Tolerance	+/-1%		
	Frequency	60 Hz ± %5		
	Current	90A		
	Overload Capability	-%101-%125 3 Min. -%126-%150 10 Sec. -%151 -Load 0,2 Sec., After then Output shut-off		
	Response Time	20msec		
	Correction Speed	500 V/sec (Optional full regulation up to 3 cycles)		
	Efficiency	>%97		
	Output Connection	Screwed Terminal		
	LCD Display	-Input Voltage Value(Three Phases, between phase and neutral) -Output Voltage Value (Three Phases, between phase and neutral) -Output Load Percent /each phase) -Output Frequency -Stabilizer Condition and Failure Info -Warnings (Overload, over temperature, input failure, output failure, etc)		
	Communication	-Though a software support and "Remote Management System" (Via Network), the ability of monitoring and management (Optional)		
	PROTECTION			
		Input Voltage Protection	Stabilizer shut off electronically under / over voltage	
	Output Voltage Protection	Stabilizer shut off electronically under / over voltage		
	Input Current Protection	MCCB		
	Output Current Protection	MCCB (Optional)		
	Output Overload Protection	101%-125% 3 min., 126%-150% 10 sec., %151-%200 load 0,2 sec., above %200 immediately output shut-off		
	Over Temperature Protection	Stabilizer shut off for over - temperature		
	By-pass	Manual By-Pass Unit for failure and Maintenance(Optional)		
	Surge Arrester	Suitable Surge Arrester unit for lightning and high voltage		
ENVIRONMENT				
	Operating Temperature	-10 °C ~ +45 °C (optional cooling units on request)		
	Altitude	< 3000m		
	Humidity	%95 non condensed		
	Acoustic Noise	< 65 dB		
CONSTRUCTION				
	Type	Indoor		
	Protection Class	IP 21 (optional outdoor cabinets on request)		
	Color	RAL 7035		
	Base	Wheel		
	Cooling	Air forced Fans		
	Dimensions (WxDxH)	50cmx70cmx130cm		
	Weight	220 kg		

OPTIONS		
Option	Code	Description
Non-standard input voltage value	xxxV	IMPR series voltage regulators can be produced at any required input voltage value that must be stated clearly by the order confirmation
Non-standard input voltage range	XS, M, L, XL	IMPR series voltage regulators can be produced at different input voltage ranges. The required ranges levels must be stated clearly by the order confirmation. Maximum input voltage range: -60%, +40%
Non-standard output voltage value	xxxV	IMPR series voltage regulators can be produced at any required output voltage value that must be stated clearly by the order confirmation
Non-standard output voltage tolerance	R	Output voltage tolerances of regulators can be +/-1%, +/-2%, +/-3%, +/-5%.
Adjustable output voltage	ADJ	Output voltage of IMPR series regulators can be adjusted by the LCD panel. Maximum adjusting range is +/-15%
Non-standard frequency	FRQ	IMPR series voltage regulators are produced to function under 60 Hz network frequency.
Output protection CB	OCB	Optional CB may be added to the regulator output to provide additional protection.
Automatic Uninterruptible by-pass	ABP	Automatic Uninterruptible By-pass unit may be added to the output of IMPR series voltage regulators.
Input / Output Transformer	TRF	Isolation Transformer or Voltage Changing Auto-Transformer can be supplied for both input and output of IMPR series voltage regulators. Required transformer specification must be given by the order.
Special Enclosure	K	IMPR series voltage regulators can be produced both INDOOR and OUTDOOR in special cabinets having different IPXX protection classes.
Input / Output EMC Filter	EMC	Specially designed EMC-Filters can be added optionally to the both input and output of IMPR series voltage regulators. Filter specifications must be stated by offer/order
Input /Output Surge protector	ESD	High-Voltage Protection and Surge Arrester can be added to the both input and output of IMPR series voltage regulators. The required protection classed and specifications (CLASS-I, CLASS-II, CLASS-III) must be given by the offer/order.
Remote Monitoring and Management Unit	RMU	For remote monitoring and managing of IMPR series voltage regulators, Remote Management and Monitoring unit can be added optionally. No any other software is needed for this RMU unit which provides the communication over LAN-connection or internet
Dry contacts	C	NO-NC dry contactor sockets can be applied for ON-OFF and Automatic By-pass modes of the regulators.
Non-standard Input / Output terminal	T	According to the various customer needs. Input and output terminals can be designed and located specially on the cabinet. The required terminal drawings must be supplied together with the offer/order.
Special design and accessories	SPM	IMPR voltage regulators can be designed specially with respect to direct customer needs and technical specifications. All special requirements and detailed technical drawings and specifications for accessories must be provided by the customer at the offer/order stage

NOTES & OPTIONS

- Any optional demands are not included in the prices. Please give in detail the options that you demand ■ All of the optional demands for every model may not be met, please keep in touch with your sales representative for suitable options
- The technical specifications given in this brochure are to be used as a guide . Edit Elektronik has the right to change without giving prior information . Please contact your sales representative to get the recent information
- The technical specifications in this brochure are for S model. Please ask for different models and different technical specifications to your sales representative.
- Static voltage stabilizers given in this brochure are easy for installation also in case of need our engineers are ready for help-desk freely.