

IMP-00

SINGLE PHASE 3KVA : 100kVA

THREE PHASE 3KVA : 150kVA

IP00 Open type Electronic Stabilizers

TECHNICAL SPECIFICATION



IMP stabilizers represent a high-tech solution for the correct power supply of sensitive equipment in situations where the mains voltage is not reliable and accurate. Produced with the highest quality semiconductor materials and controlled by a microprocessor, they manage situations of extreme and sudden voltage variations with great efficiency and reliability, thanks to the very high regulation speed (500Vac/sec.). Easy to use thanks to its compact design, they do not require periodic maintenance, are not affected by dusty environments, humidity, vibrations.

Electronic voltage stabilizer "IMP-00" series

- Safe use with any type of load
- Microprocessor control and protection unit
- Input voltage range $\pm 10\%$ or $\pm 15\%$ or $-25\%+15\%$ or others on request
- Adjustment speed 500V/sec
- Static control with modular thyristor design and SMPS technology - high efficiency, absolute quietness
- LCD front panel
- Maintenance-free product is not damaged by dust, moisture or vibration.
- In the event of a fault, automatic disabling and automatic by-pass allow direct operation of the utility from the network; Double changeover contactor for high/low voltage, overcurrent and for start-up delay.
- Manufactured with the highest quality components to prevent risk of failure
- Options available on select models: Improved accuracy ($\pm 0.5\%$, $\pm 1\%$, $\pm 2\%$ depending on models), output circuit breaker, isolation transformer.
- Manufactured in an ISO-9001:2015 Quality Management System certified factory

Specification	
Rated power	from 3 to 100KVA
Power factor	1.0
Input voltage	230V AC single-phase 1P + N (115V or other versions available on request) 400Vac three phase 3P+N (230V or other versions available on request)
Input voltage variation standard versions	207V to 253V (-10%+10%) / 360V to 440V (-10%+10%)
Optional versions on request	input range $\pm 15\%$, $-25\%+15\%$ or others on request
Input Frequency	50/60Hz $\pm 5\%$
Output voltage	230V AC Single Phase / 400V AC + N three phase
Available output current	based on power output
Output voltage accuracy	Standard $\pm 2\%$ (or $\pm 3\%$ or $\pm 1\%$ depending on input range) Based on available input range, accuracy option $\pm 1\%$ or $\pm 0.5\%$
Regulation	thyristor
Adjustment speed	500V/sec. (2/1000 sec/V)
Efficiency at full load	> 97%
Max Harmonic Distortion	3%
Permissible load variation	0 to 100%
Permissible overload	3' to 110-125% of load 10" at 126-150% load 0.2" Over 151% of load
Room temperature	-10°C to +40°C
Relative humidity	Up to 90% non-condensing
Altitude	up to 1000m without derating
Ventilation	A.F. (to be installed into the switchboard containing the product)
Noise Level	< 30dB(A) at 1m. 100% load
Frame color	RAL7035

Protections:

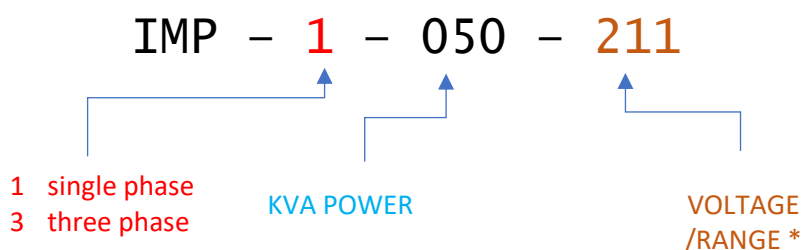
- Automatic bypass with output contactor for high/low voltage or overload
- Over-temperature alarm
- Optional Circuit Breaker Input

Display Indications:

Input voltage	Output voltage	Output frequency
Load Percentage	Over-temperature warning	Out-of-range voltage warning
Fault Events Log	Technical Service Information	

Technical data and images are indicative only and may be changed at any time without prior notice

PRODUCT CODE GENERATION



* the code for the voltage/range combination is provided at the time of enquiry

Single-phase models

Item Number	Rated Power KVA	Current rating	Dimensions W x D x H cm.	Weight KG.
IMP103-XXX	3	13 A	on request *	on request *
IMP105-XXX	5	22 A	on request *	on request *
IMP107-XXX	7.5	32 A	on request *	on request *
IMP110-XXX	10	43 A	on request *	on request *
IMP115-XXX	15	65 A	on request *	on request *
IMP120-XXX	20	87 A	on request *	on request *
IMP130-XXX	30	130 A	on request *	on request *
IMP140-XXX	40	174 A	on request *	on request *
IMP150-XXX	50	217 A	on request *	on request *
IMP160-XXX	60	260 A	on request *	on request *
IMP180-XXX	80	348 A	on request *	on request *
IMP1100-XXX	100	430 A	on request *	on request *

* Dimensions may vary based on component availability and cost at the time of manufacture

Three-phase models

Item Number	Rated Power KVA	Current rating	Dimensions W x D x H cm.	Weight KG.
IMP305-XXX	5	7 A	on request *	on request *
IMP310-XXX	10	14 A	on request *	on request *
IMP315-XXX	15	21 A	on request *	on request *
IMP322-XXX	22	28 A	on request *	on request *
IMP330-XXX	30	43 A	on request *	on request *
IMP345-XXX	45	65 A	on request *	on request *
IMP360-XXX	60	87 A	on request *	on request *
IMP375-XXX	75	108 A	on request *	on request *
IMP3100-XXX	100	144 A	on request *	on request *
IMP3120-XXX	120	173 A	on request *	on request *
IMP3150-XXX	150	217 A	on request *	on request *

* Dimensions may vary based on component availability and cost at the time of manufacture

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