

**MADRA**  
Series

**Madra Series Technical Specifications**

3 - 2000 kVA Static Voltage Stabilizers

1 Phase Input - 1Phase Output 3 Phase Input - 3 Phase Output



MODEL	1075	1015	1030	3030	3060	3100	3250	3500	31000	31500	32000
Power (kVA)*	7,5	15	30	30	360	100	250	500	1000	1500	2000
<b>INPUT</b>											
Voltage	220 Vac (1Phase+N+GND)					380 VAC (3Phase+N+GND)					
Voltage Tolerance	175-260 VAC					300-450VAC					
Frequency	50 Hz										
Frequency Tolerance	±5%										
Current (A)	45	90	180	60	120	100	475	950	1900	2850	3800
<b>OUTPUT</b>											
Voltage	220 Vac (1Phase+N+GND)					380 VAC(3Phase+N+GND)					
Voltage Tolerance	±2%										
Correction Speed	5000 V/ sn										
Frequency	50 Hz ±5%										
Current (A)	35	68	135	45	90	150	380	750	1500	2250	3000
Efficiency (100% load)	≥97%										
THD	<0.3%										
<b>LCD CONTROL PANEL</b>											
Type	2x16 / 4x20 Alpha Numeric LCD Panel										
Measurement	Input, Output and Status Information										
Warnings	High Input, Low Input, "error"										
<b>PROTECTIONS</b>											
Output Voltage	Low: 180 V Adjustable High: 240 V Adjustable (F-N)										
Over Load	20ms for 500% ; 1 min. for 150%										
Thyristor Error	System do not work										
Over Temperature	Exceed 70°C of heat sink temp.										
Noise Filter	EMI/RFI Filter										
Bypass	Manual (automatic optional)										
<b>ENVIRONMENTAL</b>											
Operating Temp.	-15 ~ +45°C										
Humidity	0-90% (non condensing)										
Cooling	Fan										
Protection Class	IP20										
Acoustic Noise	<55 dBA										
<b>PHYSICAL</b>											
Dimensions (WxDxH)cm	27x47x48	27x47x48	40x47x70	40x80x70	70x70x110	70x70x120	140x70x135	180x95x160	240x100x210	270x110x210	270x110x210
Weight (kg)	25	55	95	90	125	185	900	1900	2900	3650	4000
<b>STANDARDS</b>											
Standards	EN50091-1/EN62040-1(LVD) EN50091-2/EN62040-2 (EMC)										

\*10, 20,30, 45, 60, 75,90,120, 150,180,200,250, 300,400,500, 600, 800,1000, 1250, 1600, 2000, 3000 kVA models are available.



**MADRA SERIES**

MADRA Series Automatic Voltage Regulator is a static voltage regulator and do not include any moving parts. Voltage regulation is realized by microprocessor controlled digital technology within milliseconds. It has not any corroding part where as servo regulator have these parts.

MADRA Series protects itself and your critical loads at low/high voltage levels. There are RFI and EMI filters at all power levels.

ESIS Static Voltage Regulators are used at Industrial machines, Radio and TV transmitters GSM Base stations, Communication Systems, Hospitals, Studios, etc.

**GENERAL SPECIFICATIONS**

- Digital Microprocessor Controlled
- 20 milisecond Response Time
- Zero transfer time
- Over Load; Over Voltage,Over heat, thyristor fail protections
- EMI/RFI Noise Filter