## MSR11 Series



Servo Drive Structure, Microcontroller Controlled Heavy Duty Devices Which Regulates Mains Voltage for Critical Loads







- o 1 Phase in / 1 Phase Out (1-50kVA)
- Single Phase Phase Voltage Stabilisers
- Regulate Mains Voltage and Bring Many Advantages
- Non-Linear Charges Drive
- 1 Phase Input 1 Phase Output
- Wide Power and Voltage Interval
- Fast Regulation
- High Reliability Thanks to Microprocessor and Smart Driver
- High Efficiency
- Load Transfer to Bypass Via Pole Charge Switch
- Safe and Economic Usage
- Overcurrent and Overload Protection (Optional)
- Digitally Displayed Status, Input & Output Measurements
- 2 Years Warranty
- 10 Years Spare Parts Support

1kVA • 2kVA • 3.5kVA • 5kVA • 7.5kVA • 10kVA • 15kVA • 20kVA • 25kVA • 30kVA • 40kVA • 50kVA





MODEL	
Capacity	1kVA 2kVA 3.5kVA 5kVA 7.5kVA 10kVA 15kVA 20kVA 25kVA 30kVA 40kVA 50k
INPUT	
In. Vol. Correct. Interval	160~260VAC
In. Vol. Working, Interval	90~285VAC
Operation Frequency	47~65Hz
Line Input Protection	Overcurrent, Low and High Voltage Protection
OUTPUT	
Output Voltage	220VAC RMS ±2%
Overloading	10Sec. 200% Load
Correction Speed	~90Volt/Sec.
Uptum Period	~90Volt/Sec (160VAC~250VAC).
Output Protection	Protects Load by Opening the Circuit When Overburden, Short Circuit Occurs
WORKING PRINCIPLE	Servo Motor, Microprocessor Controlled, Full Automatic
GENERAL	
Cooling	Smart Fan System
Measured Value Monitor	MSR Panel Voltmeter (74x74mm) Output Voltage and Line Voltage Monitorization
Total Harmonic Distortion	-
Total Efficiency	>96%
Mechanical Bypass	"Manually Controlled Line-PAKO SWITCH Selects Voltage Regulator" Switch Turn On/Off
Protection Level	IP 20 // IP 25
ENVIRONMENTAL	
Working Temperature	-10°C~50°C
Storage Temperature	-25°C~60°C
Relative Humidity	<90%, DIN (40040)
Working Altitude	<2000m
Acoustic Level	<50dB ('Imetersquare)
Documents	CE//TÜV Austria Hellas (ISO 9001)
OTHERS	
Dimension W×D×H (mm)	420x230x230 450x350x270 550x350x270 600x400x 320 500x500x850 500x700x850
Weight (kg)	15 16 29 40 47 55 75 125 136 163 180 2