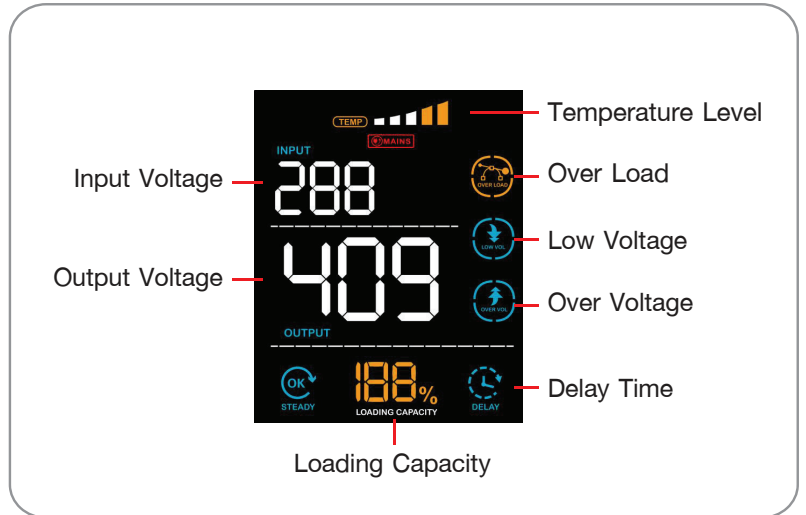


Automatic Voltage Regulators

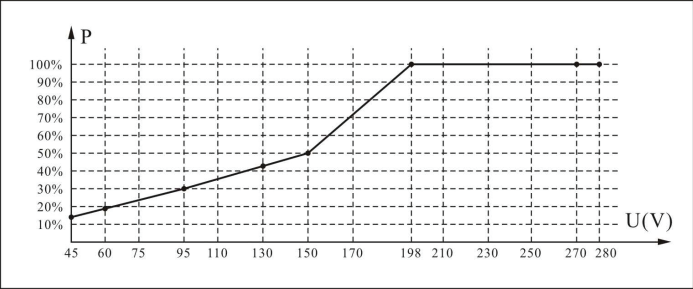
MSV-15kVA

1 phase



Features

- Input Voltage range 100-260 Vac.
- Automatic Voltage Regulation by Servo motor type.
- High performance and high speed controlled with Microcontroller (MCU)
- Easy to install, saves space, can be wall-mounted.
- Displays operation with an LED graphic screen.
- Has a delay system to protect electrical appliances in the house
- Automatically starts (Auto-start) when power returns to normal.
- Toroid transformer, the iron core is cold-rolled (CRGO), lightweight, and highly efficient.
- Short circuit protection
- Overload Protection
- Normal / Bypass system.
- ISO9001: 2015 certified.

Model	MSV - 15KVA
Input voltage range	100v ~ 260v
Frequency	50Hz
Output voltage	220v±3%
Output Power	 <p>The graph illustrates the output power capability of the MSV-15KVA transformer. The vertical axis represents Output Power (P) in percentage, ranging from 10% to 100% in 10% increments. The horizontal axis represents Output Voltage (U) in Volts, ranging from 45V to 280V in 15V increments. The power curve begins at 10% power for 45V, increases linearly to 100% power at 198V, and then remains constant at 100% power for voltages up to 280V.</p>
Correction time	2~3 s
Delay time	Short delay 6 seconds; Long delay 200 seconds
voltage regulating speed	>10 V/S
Power factor	>0.9
Synchronization	Output synchronized to input
Insulation strength	≥ 1500V
Insulation resistance	≥5MΩ
Efficiency	>95%
Heat Dissipation	Dependent on load and environment
Control	Microcontroller based control system provides self checks, system integrity monitoring and diagnostic indicators.
Control type	Servo motor
Protection	<p>Low voltage protection : output voltage <170v+/-4v for 10s, <140v+/-4v for 2s ;</p> <p>Over output voltage protection : 246V±3% ;</p> <p>Thermoprotection activation when rising the transformer temperature :120°C ±5% ;</p> <p>Overload protection ;</p> <p>Short circuit protection ;</p> <p>surge voltage protection : I(max)- 5kA ; U(p)1500V</p>
Power Connections	Supply phases, neutral and earth. Load phases, neutral and earth
Display	LED display
Environment Temperature Range	-20 ~ +50 °C
Transformer winding temperature rise	< 60k
Relative Humidity	<90%
Environmental Protection	IP20
Requires maintenance	If the environment is bad, it needs to be maintained frequently.
Load Types	Small office equipment, refrigerator, electric fan, TV, computer, small pump, air conditioner, and other household equipment. Washing machine, air compressor, water pump, etc.
Product size(CM)	47.3×35.2×22.1
N.W(KG)	39

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