



# Automatic Voltage Regulator SRM Series

*Intelligent Microprocessor Logic Circuit Control*



## Application >>

- |                                     |                   |
|-------------------------------------|-------------------|
| ■ Computer&Computer peripherals     | ■ OA equipment    |
| ■ TV&Radio broadcasting stations    | ■ Video&Audio     |
| ■ Electronics&Medical equipment     | ■ CAD/CAM         |
| ■ Military research&Defense weapons | ■ Generator       |
| ■ Medical monitoring system         | ■ Elevator        |
| ■ Auto testing equipment            | ■ Production line |
| ■ Process control system            | ■ CNC machinery   |
| ■ Safe guard system                 | ■ SMT machinery   |
| ■ Lab instrument                    |                   |





# Automatic Voltage Regulator

## SRM-Series

### REGULATION SYSTEM

#### VOLTAGE REGULATION SYSTEM

INPUT VOLTAGE RANGE (OPERATION)

INPUT FREQUENCY

OUTPUT VOLTAGE REGULATION

OUTPUT WAVE FORM

OUTPUT WAVE FORM DISTORTION

RESPONSE TIME

#### MICROPROCESSOR CONTROLLED SERVO SYSTEM

380,400V ,  $\pm 20\%$  (Option 200,220V)

40 - 75 Hz

380,400 VAC  $\pm 1\%$  (OPTION 200,220V)

Sine wave (Synchronize with input wave form)

Less than  $<0.5$

0.1-1sec

### NOISE ATTENUATION SYSTEM

SPIKE TRANSIENT PROTECTION

RFI PROTECTION

TRANSVERSE MODE NOISE REJECTION

COMMON MODE NOISE REJECTION

Metal oxide varistor

Toroidal coil and HF filter device

Greater than 60dB

Greater than 60dB for line conditioners

### PROTECTION SYSTEM

SURGE PROTECTION

LIGHTNING PROTECTION

OVER LOAD PROTECTION

AUTOMATIC SHUTDOWN

Automatic shutdown

Lightning arrester

Circuit breaker

- Output voltage out of limits (More than  $\pm 10\%$ )

- Output short circuit.

- Ac voltage flicker.

- Phase fault.

- Power semiconductor failure

- Power failure or interruption

### FEATURE

TRANSFORMER

POWER FACTOR

EFFICIENCY

OVER LOAD CAPACITY

RESET SWITCH

BYPASS SWITCH

INDICATOR

OPERATING TEMPERATURE

RELATIVE HUMIDITY

INPUT/OUTPUT CONNECTOR

Auto transformer and buck/boost transformer

0.9-1 leading to lagging

98% at full load

1000% for 2sec, 300% for 1 mins.

Manual reset switch

Manual bypass switch

Digital output voltage and output ampmeter

0-50 C

0-95%

Terminal lead