



SERVO MOTOR CONTROL AC. AUTOMATIC VOLTAGE REGULATOR

FEATURES :

- Maintenance Free Roller Type Carbon Brush
- Individual Regulation with Unique Small Dimension
- Maximum Capacity Up to 5000 KVA
- HMI / LCD Display Monitoring
- Reliable and Quiet Servo Motors
- Wheels Mounted for Easy Installation
- Start Up Delay to Prevent Over Current Inrush
- Central Control Module Based On DSP

APPLICATIONS :

- BROADCAST : Regulation for Broadcast Transmitter Sites and Studios
- COMMERCIAL : High-rise Building, Elevator Control, Large A/C Chillers, Lighting, Other Sensitive Critical Systems
- INDUSTRIAL : Industrial Automation, Process Control, CNC, Factory Robotics, Heavy Load Machinery
- MEDICAL : X-Ray, CT Scanner, MRI System, Radiation Therapy Machine, Other Medical Imaging Equipments
- TELECOM : Mobile Base Station, Exchanges Stations, Control Centers and Transmission Relay Stations



Technical Specification

| ITEM | Unit | SPECIFICATION | | | | | | Remarks |
|----------------------------------|------|---------------------------------------------------|----------|--------------|--------------|----------|---------------|-------------------|
| | | SM80KS3 | SM100KS3 | SM120KS3 | SM150KS3 | SM200KS3 | SM250KS3 | |
| Capacity | kVA | 80 | 100 | 120 | 150 | 200 | 250 | |
| Input Voltage | V | 304 ~ 456 | | | | | | 3P + N |
| Output Voltage | V | 380 ± 1% | | | | | | 3P + N |
| Rated Current | A | 120 | 150 | 180 | 225 | 300 | 375 | |
| Frequency | Hz | 50 | | | | | | |
| Delay Time | S | 4 ~ 7 (Over-voltage and Under-voltage protection) | | | | | | |
| Efficiency | % | ≥ 98 | | | | | | |
| Ambient Temperature | °C | -20 ~ +45 | | | | | | |
| Ambient Humidity | % | < 90 | | | | | | Relative Humidity |
| Control System | | Central control module based on DSP | | | | | | |
| Electrical Strength | | No flashover or breakdown when at 2500V/min | | | | | | |
| Insulation Resistance | Ω | ≥ 5M | | | | | | |
| Ingress Protection | | IP21 | | | | | | |
| Insulation and Thermal Endurance | | Class H, VPI process | | | | | | |
| Display | | HMI / LCD display of all electrical parameters | | | | | | |
| Dimension Unit | mm | 710x285x1325 | | 850x320x1470 | 900x400x1600 | | 1010x405x1750 | D x W x H |
| Dimension Packing | mm | 790x370x1480 | | 930x405x1625 | 980x485x1750 | | 1100x500x1895 | D x W x H |
| Weight | kg | 228 | 240 | 295 | 325 | 387 | 499 | Gross |

| ITEM | Unit | SPECIFICATION | | | | | | Remarks |
|----------------------------------|------|---------------------------------------------------|----------|---------------|----------|---------------|-----------|-------------------|
| | | SM300KS3 | SM400KS3 | SM500KS3 | SM600KS3 | SM800KS3 | SM1000KS3 | |
| Capacity | kVA | 300 | 400 | 500 | 600 | 800 | 1000 | |
| Input Voltage | V | 304 ~ 456 | | | | | | 3P + N |
| Output Voltage | V | 380 ± 1% | | | | | | 3P + N |
| Rated Current | A | 450 | 600 | 750 | 900 | 1200 | 1500 | |
| Frequency | Hz | 50 | | | | | | |
| Delay Time | S | 4 ~ 7 (Over-voltage and Under-voltage protection) | | | | | | |
| Efficiency | % | ≥ 98 | | | | | | |
| Ambient Temperature | °C | -20 ~ +45 | | | | | | |
| Ambient Humidity | % | < 90 | | | | | | Relative Humidity |
| Control System | | Central control module based on DSP | | | | | | |
| Electrical Strength | | No flashover or breakdown when at 2500V/min | | | | | | |
| Insulation Resistance | Ω | ≥ 5M | | | | | | |
| Ingress Protection | | IP21 | | | | | | |
| Insulation and Thermal Endurance | | Class H, VPI process | | | | | | |
| Display | | HMI / LCD display of all electrical parameters | | | | | | |
| Dimension Unit | mm | 1160x505x1900 | | 1300x600x2090 | | 1800x800x1900 | | D x W x H |
| Dimension Packing | mm | 1260x590x2080 | | 1390x690x2250 | | 1890x890x2080 | | D x W x H |
| Weight | kg | 608 | 750 | 1170 | 1300 | 1844 | 2190 | Gross |

Specifications are subject to change without prior notice.

CONTACT PERSON :