



MSR SERIES

Single Phase 1kVA - 50 kVA
Three Phase 3 kVA - 1500 kVA



GENERAL FEATURES

Servo controlled voltage regulation is most widely used method in voltage regulation. We manufacture from 1 kVA to 50 kVA single-phase , from 3 kVA to 1500 kVA three-phase .

The voltage stabiliser basically consist of a variable transformer a servo motor which controls variable transformer through a gear drive mechanism , a buck-boost transformer, electronic circuit and sheet iron box includes all. Servo controlled voltage regulator's operation is based on a feedback and comparison processes. Any voltage fluctuation in network can be easily stabilized with the help of high response capability and dc motor mechanism which have high start up torque, even if the variation is very little. Precision micro-switches are used as end limits for cut off the energy of motor when input voltage exceeds the regulation range. Output is sinewave with no distortion, beside there is no distortion or interference in network frequency during operation.

- ✓ 1 - 1500 kVA power interval as 1 phase/3 phase
- ✓ Smart control and maintenance unit with Microprocessor based boards
- ✓ Safe operation for any kind of electrical devices
- ✓ Regulation between 120 VAC - 230 VAC / 150 VAC - 220 VAC
- ✓ Special design, high efficiency according to user needs
- ✓ Production of simple structure of high-quality material, minimum fault risk
- ✓ Contactor unit intended for protection and delay at output (optional)
- ✓ Protection with MCB for over current and short circuit
- ✓ ON/OFF and By-pass switch to operate from network
- ✓ Output values shown on voltmeter indicator for input and output
- ✓ Economic and reliable solution
- ✓ Surge Arrester against to high current and lightning (optional)
- ✓ Production with ISO-9001 Quality Management System
- ✓ 2 years warranty
- ✓ 10 years spare part warranty
- ✓ Technical service support

1 - 1500 kVA

SERVO VOLTAGE REGULATOR

1 - 1500 kVA

MSR SERVO VOLTAGE REGULATOR

TRIPHASE AVR TECHNICAL SPECIFICATIONS

INPUT VOLTAGE [U1]	275-430 V	FREQUENCY	50 Hz
OUTPUT VOLTAGE [U2]	380 V	ACCURACY	± % 2 / ± % 5
REGULATION SPEED	80 V/sn	EFFICIENCY	% 95
AMBIENT TEMPERATURE	-10°C / +40°C	DELAY TIME	4 s
PROTECTION CLASS	IP20	PROTECTION UNIT	OPTIONAL

For high power solutions please ask us dimensions

TRIPHASE REGULATOR'S DIMENSIONS

TYPE	Height(cm)	Width (cm)	Depth (cm)	Weight (kg)
MSR 3S 6	98	42	46	110
MSR 3S 10	98	42	46	120
MSR 3S 15	98	42	46	140
MSR 3S 22	111	45	50	170
MSR 3S 30	111	45	50	210
MSR 3S 45	117	45	60	240
MSR 3S 60	133	59	87	380
MSR 3S 75	133	59	87	420
MSR 3S 100	150	71	87	550
MSR 3S 120	150	71	87	700
MSR 3S 150	150	71	87	800



MONOPHASE REGULATOR'S DIMENSIONS

TYPE	Height(cm)	Width (cm)	Depth (cm)	WEIGHT (kg)
MSR 1S 5	27	45	35	40
MSR 1S 7	27	56	37	50
MSR 1S 10	27	56	37	60
MSR 1S 15	32	58	42	75
MSR 1S 20	76	50	55	90
MSR 1S 25	76	50	55	110

MONOPHASE AVR TECHNICAL SPECIFICATIONS

OUTPUT VOLTAGE [U1]	160-250 V
INPUT VOLTAGE [U2]	220 V
FREQUENCY	50 Hz
ACCURACY	± % 2 ile ± % 5
REGULATION SPEED	80 V/sn
AMBIENT TEMPERATURE	-10°C ile +40°C
EFFICIENCY	% 95
DELAY TIME	4 s
PROTECTION CLASS	IP20