

HRSA & HRSC SERIES SERVO VOLTAGE STABILIZERS

10 – 600 kVA 3/3 PHASE

1 – 30 kVA 1/1 PHASE

- ✓ Servo Motor
- ✓ Voltage Regulation controlled by Microprocessor
- ✓ Fast & Precise Output Voltage Correction
- ✓ Full Automatic Design
- ✓ Suitable for Industrial Applications



Standard Electrical Features

High Efficiency over 96%

User Friendly LCD Display and Mimic Diagram

Precise Output Voltage Correction Accuracy $\pm 1\%$

Overcurrent, High Temperature, High-Low Voltage and Short Circuit Protection

Microprocessor Controlled

At 100%-125% Load 1min, At Above 125% Load 10sec of operation

Manual Bypass

Fan Cooling

Optional Features

Different Input & Output Voltage Availabilities (380 – 400 – 415 VAC) upon request

Can work with 50Hz and 60Hz Grids

Can work with Isolation Transformers in the Input or Output

Different IP protection classes upon request

Technical Specifications

INPUT	10 - 600 kVA 3/3 Phase ; 1 - 30 kVA 1/1 Phase																			
Input Voltage Correction Interval	1:1 Phase: 160~260 VAC • 3:3 Phase: 275~450 VAC (Standard), 215~415 VAC (Optional)																			
Operation Frequency	47~65 Hz																			
Line Input Protection	Overcurrent, Low and High Voltage Protection (Optional)																			
OUTPUT																				
Output Voltage	1:1 Phase: 220 VAC RMS $\pm 2\%$ • 3:3 Phase: 380 VAC RMS $\pm 1\%$																			
Overload Capacity	At 100%-125% Load; 1min ; over 125% Load: 10sec																			
Correction Speed	~90 Volt/sec																			
Upturn Period	~90 Volt/sec (160 VAC~250 VAC)																			
Output Protection	Short Circuit - Overcurrent Protection, Overvoltage Protection (Optional)																			
GENERAL																				
Operation	Full Automatic, Microprocessor Controlled, Servo Motor																			
Cooling	Smart Fan System																			
Monitoring	Monitoring Input Voltage, Output Voltage-Current,% Load and Transformer Temperature Values via Panel																			
Total Efficiency	>96%																			
Mechanical Bypass	Manually Controlled - Selects Voltage Regulator" Switch Turn On/Off																			
Protection Level	IP 20																			
Operating Temperature	-10°C~50°C																			
Storage Temperature	-25°C~60°C																			
Relative Humidity	<90%, DIN (40040)																			
Altitude	<2000m																			
DIMENSIONS & WEIGHT 3/3 Phase-kVA	6	10	15	22.5	30	45	60	75	100	120	150	200	250	300	400	500	600			
Width mm	420				600				650				1550				1890			
Depth mm	680				980				1100				800				1125			
Height mm	1200				1400				1750				1650				1840			
Net Weight (Kg)	65	120	140	155	185	235	345	365	465	550	570	1100	1150	1300	1575	2050	2590			
Noise Level	<50 dB																			
DIMENSIONS & WEIGHT 1/1 Phase-kVA	1	2	3.5	5	7.5	10	15	20	25	30										
Width mm	500				550				550											
Depth mm	350				400				650											
Height mm	300				300				1000											
Net Weight (Kg)	16	22	30	40	48	54	80	95	105	135										
Noise Level	<50 dB				<54 dB															