



Automatic Voltage Regulator

Technical Data Sheet

General	
Product Name	<u>Servo Stabilizer</u>
Model	STS 500KVA-33
Rating	500 KVA – 500KW
Power Factor	>0.98
Efficiency	98 %
Input Specifications	
Nominal voltage	380 VAC [3 phase 4 wire]
Input window	304-456 Vac
Max. Current	960 Amp/phase
Frequency	45 – 65 Hz
Input Protection	Motorized Circuit Breaker
Output Specifications	
Nominal Voltage:	380 VAC [3 phase 4 wire]
Voltage regulation	± 0.5% adjustable to 3%
Correction speed	90 V/Sec
Full load Current [I _{nom}]	760 Amp/phase
Output Protection	OV&UV/OverLoad and temperature Protection.
Over-Voltage limit	10%*V _{nominal} [adjustable]
Under-Voltage limit	20 %*V _{nominal} [adjustable]
Max Overload Current	200% I _{nom} for 2min
By Pass Switch	Available
Phase Sequence protection	Available

Waveform distortion	Negligible
Output Interruption	No interruption
Surge protection	Available
Communication	ModBus
Control Principles	
Technology	Microprocessor controlled full Automated
Structure	Buck/boost transformer ,Variable Transformer, Microcontroller based control circuit and LCD display circuit
Measurement On Screens	Input voltage, output voltage , input voltage , load current
Cooling:	Forced ventilation
Mechanical specs	
Dimensions(W*D*H)	Galvanized sheet steel -250*80*220 Cm – IP21
Weight	2000KGm
Environment	
Operating temperature	From 0 to 50 degree centigrade
Humidity	0 - 95% non condensing

All Dimensions subject to change without notice