

FULL AUTOMATIC AC SERVO VOLTAGE STABILIZER

SRV 330100 SERIE

THREE-PHASE 100 KVA

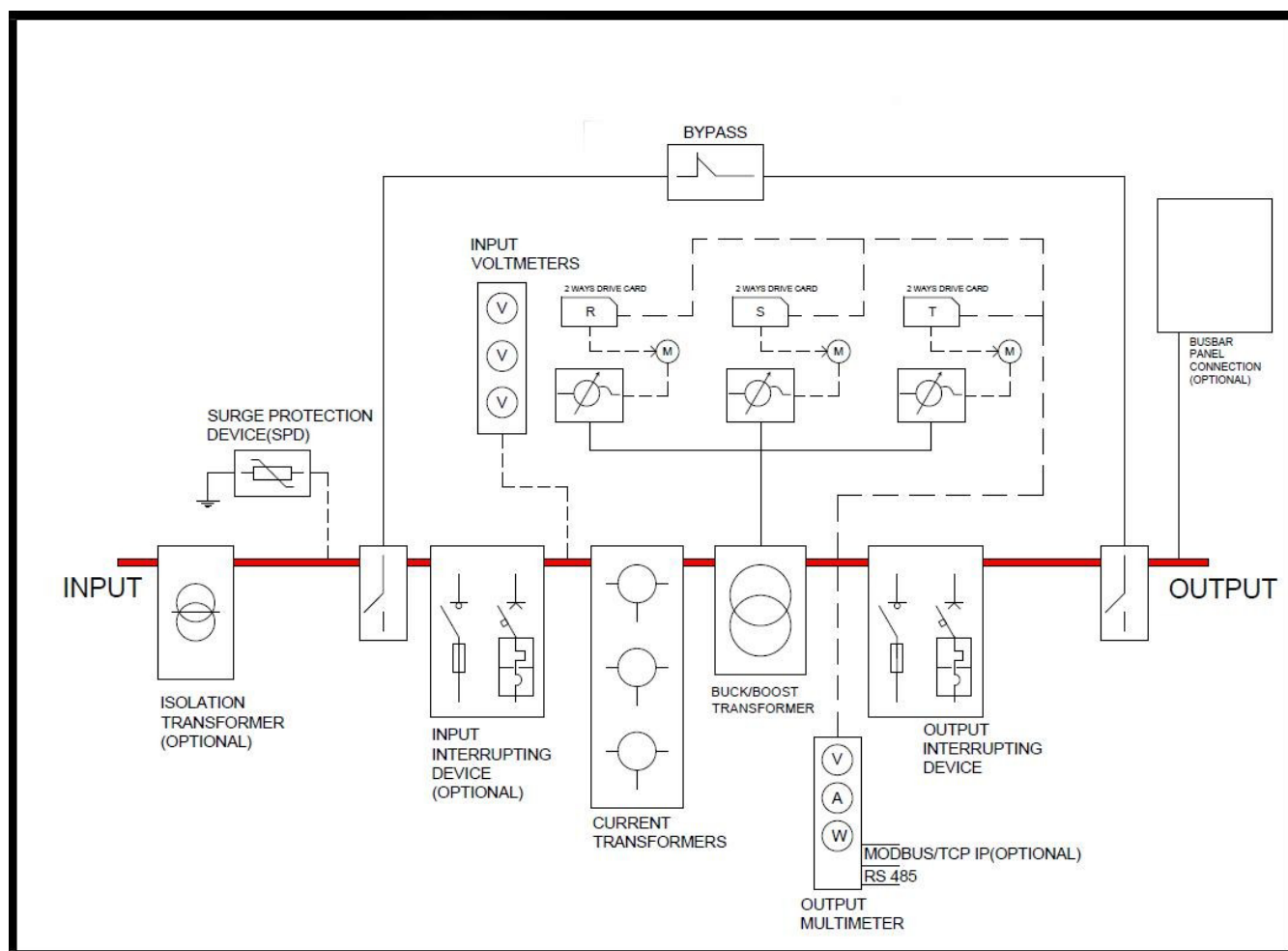
Nominal Input Voltage(V)	380*
Input Voltage Range(V)	275-450 V*
Output Voltage(V)	380*
Output Voltage Accuracy(%)	±1-2
Frequency(Hz)	50-60 ±5%
Rated Power(Continuous Duty)	100 KVA
Rated Output Current(A)/ Rated Input Current(A)	121/166
Power Factor(PF)	0,8
Admitted Load Variation	10 Sec.200% Load/2 min.150 %Load
Correction Speed	90 Volt/Sec.
Response Time(Miliseconds)	<1,5
Harmonic Distortion(%)	None Introduced
Mechanical By-Pass	Manually Controlled Line(Selectable CB)/Autobypass(Optional)
Documents(QMS/STD.)	CE/ ISO 9001:2015/TSE 60335-1/1-A11
Full Load Efficiency	Aprox.>98%
Cooling	Automatic Fan System
Ambient Temperature	-10°C +50°C
Storage Temperature	-25°C +60°C
Relative Humidity	Max. 95% (Non Condensing)
Acoustic Noise	<35dbm

*Phase to phase,4 Wire (3P+N)

Indoor ☒	Outdoor ☐	Accessories	
Protection Degree	IP 20	Load protection against over / undervoltage	☒
Terminal Board	Internal DIN	Manual by-pass line	☒
Box Dimension((WxDxH)mm)	600x880x1400	Auto by-pass line*	☐
Cabinet No	-	Insulation transformer(Input,Output)*	☐
Weight(kg)	Approx. 310	SPD surge arrestor(Class I,Class II,Class III)*	☐
Color(RAL)	☒ 9005 ☐ 7015 ☐ 7035	EMI/RFI filters*	☐
Winding Material	Cu	IP 54 protection degree for indoor and outdoor installation*	☐
Connection Material	Busbar(Copper)- Cable (Copper)	Neutral Point Reactor*	☐
-Voltage control and stabilisation,performed on the true Rms value,are managed by the digital microprocessor, - The output voltage regulation performed independently on each phase, - The instrumentation consist of a multi task digital power meter, such instrument is able to provide with information regarding the voltage stabilizer output parameter,such as phase and linked voltage,current,power factor,active power,apparent power etc. - The alarms(min/max output voltage,regulator overload) are recognizable by means of Powermeter error code on the control card. -It is also possible to communicate with the stabiliser with the RS-485(Modbus TCP/IP protocol.)(Optional)		By-pass kit	
		By-pass switch	☒
		MCB(Miniature Circuit Breaker) or MCCB(Molded Case Circuit Breaker)*	☐
		ACB(Air Circuit Breaker) without motor*	☐
		ACB(Air Circuit Breaker) with motor*	☐
		Measurement	
		Input Digital Multimeter(Voltage,Current,Frequency,Power Etc.)*	☐
		Output Digital Multimeter(Voltage,Current,Frequency,Power Etc.)	☒
		Energy Analyzer(Voltage,Current Harmonics ,Power Etc.)*	☐
		Remote Control	
		Remote Control Modul –Modbus TCP/IP Control*	☐

*Optional

SINGLE LINE DIAGRAM**



**Working principle of an electro-mechanical digital voltage stabilizer