FULL AUTOMATIC AC SERVO VOLTAGE STABILIZER

SRV 330400

THREE-PHASE 400 KVA	
Technology of AVR	Servo Motor Control
Nominal Input Voltage(Vac)	380*
Input Voltage Range(%)	±25**
Output Voltage(Vac)	380*
Output Voltage Accuracy(%)	±1
Frequency(Hz)	50±5%
Rated Power(Continuous Duty)	400 KVA
Rated Output Current(A)/ Rated Input Current(A)	485/647s
Power Factor(PF)	0,8
Admitted Load Variation*	10 Sec.200% Load/2 min.150 %Load
Admitted Load Unbalance	Up to 100%
Correction Speed	12 ms/V
Response Time(Miliseconds)	<1,5
Wave Form Distortion	Less than 1%
Max Failure Range	<±1%
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	>98%
Cooling	Automatic Fan System
Ambient Temperature	-10°C +60°C
Storage Temperature	-25°C +60°C
Relative Humidity	Max. 95% (Non Condensing)
Acoustic Noise	<35dbm

*Phase to phase,4 Wire (3P+N)-Output Voltage RMS Stabilized,**From 285 Vac to 475 Vac,*0 to 100%

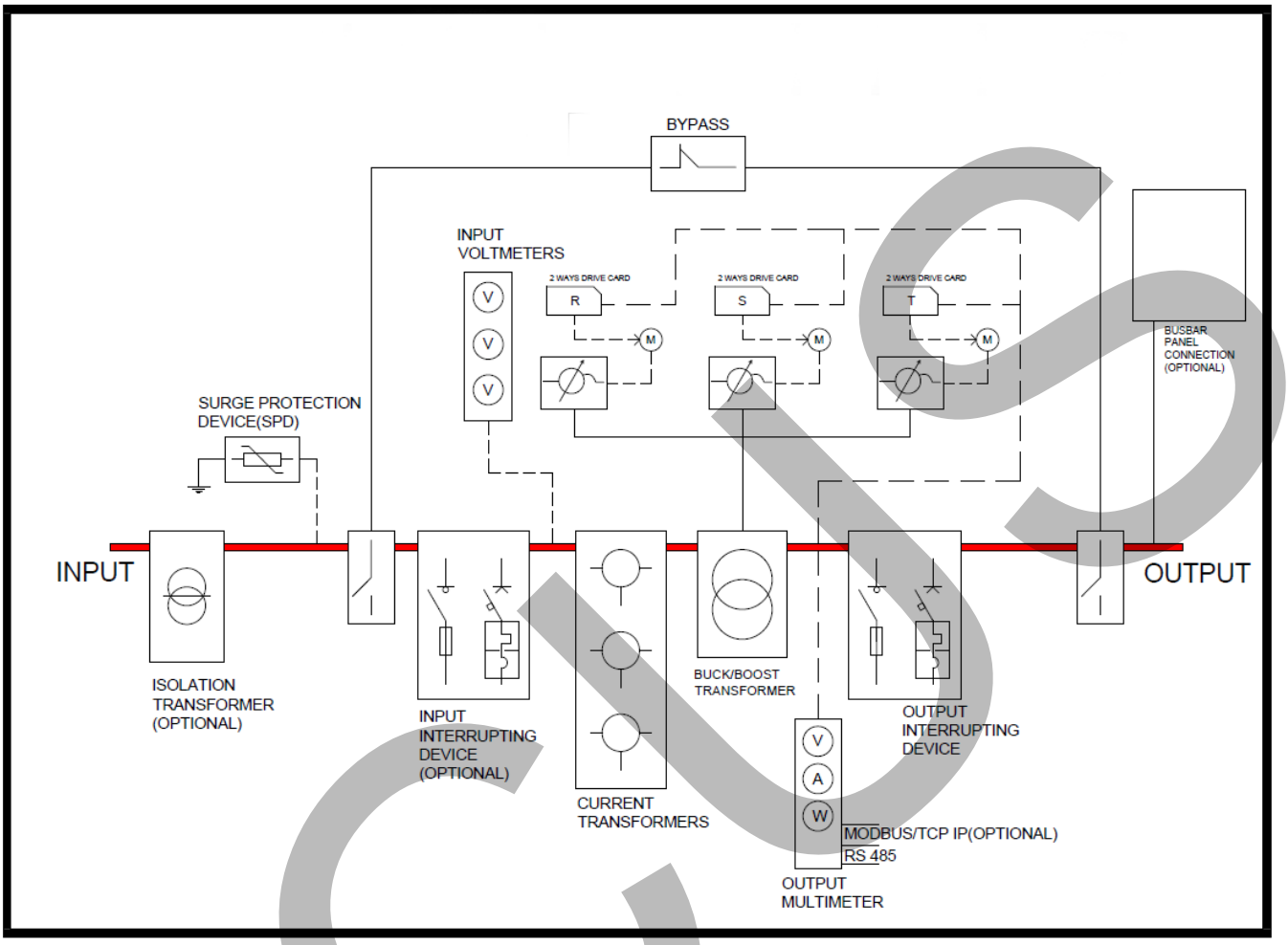
Indoor ☒	Outdoor ☐		
Protection Degree	IP 20		
Terminal Board	Internal DIN		
Box Dimension((WxDxH)mm	1800x1000x2000		
Cabinet No	-		
Weight(kg)	Approx.1530		
Color(RAL)	☒ 9005	☐ 7015	☐ 7035
Winding Material	Aluminum/Copper		
Connection Material	(Aluminum/Copper)		

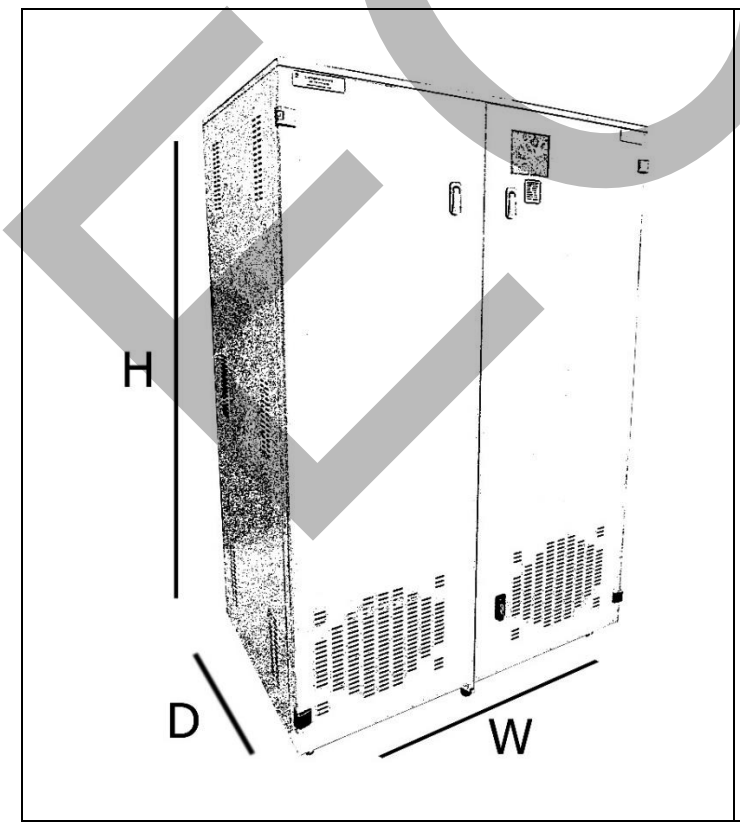
-Voltage control and stabilisation,performed on the true Rms value,are managed by the digital microprocessor,
- The output voltage regulation performed independently on each phase,
- The instrumentation consist of a multi task digital power meter, such instrument is able to provide with information regarding 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)

Accessories			
Load protection against over / undervoltage	☒		
Manual by-pass line	☒		
Auto by-pass line*	☐		
Insulation Transformer(Input) ☐	Insulation Transformer(Output) ☐		
SPD surge arrestor	☒		
EMI Filter ☐	RFI Filter ☐		
IP 54 protection degree for indoor and outdoor installation*	☐		
Neutral Point Reactor*	☐		
By-pass kit			
By-pass switch	☒		
MCB Input ☐	MCB Output ☐	MCCB Input ☒	MCCB Output ☒
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.)*	☐		
Regulator Monitoring Device (Touch Screen,5 'inch)(Temperature,Load%,Phase Sequence,Harmonic(A,V),Error Logging)*	☐		
Remote Control			
Remote Control Modul –Modbus TCP/IP Control*	☐		

*Optional

SINGLE LINE DIAGRAM**





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