

ENTES



RGSR Series Power Factor Controller

The next generation ENTES **RGSR** Series power factor controllers with smart SVC function are user-friendly with their plug & play and ease-of-use features. The RGSR series that can perform precise measuring even in quite low currents (3mA) has two steps options 12+SVC and 16+SVC.

Basic Features

- RGSR can control capacitors and reactors instantly thanks to RGSR's SVC support
- Opportunity to configure the power factor correction activity with eco, standard and sensitive mode options
- Precise measurement up to 3mA with high precision class
- Automatic easy setup
- Triggering the capacitors and the shunt reactor simultaneously
- By the second current transformer, blowing of step fuse, contactor sticking alarm can be detected and instant capacitor values, contactor life time can be measured.
- Tracking step value, step setup date and contactor life
- Daily, weekly, monthly, 3 monthly compensation ratio chart
- Displaying each phase with Phasor diagram
- Instant measuring of Capacitor and Reactor values
- Automatic step recognition and faulty connection correction
- Displaying the number of step switching

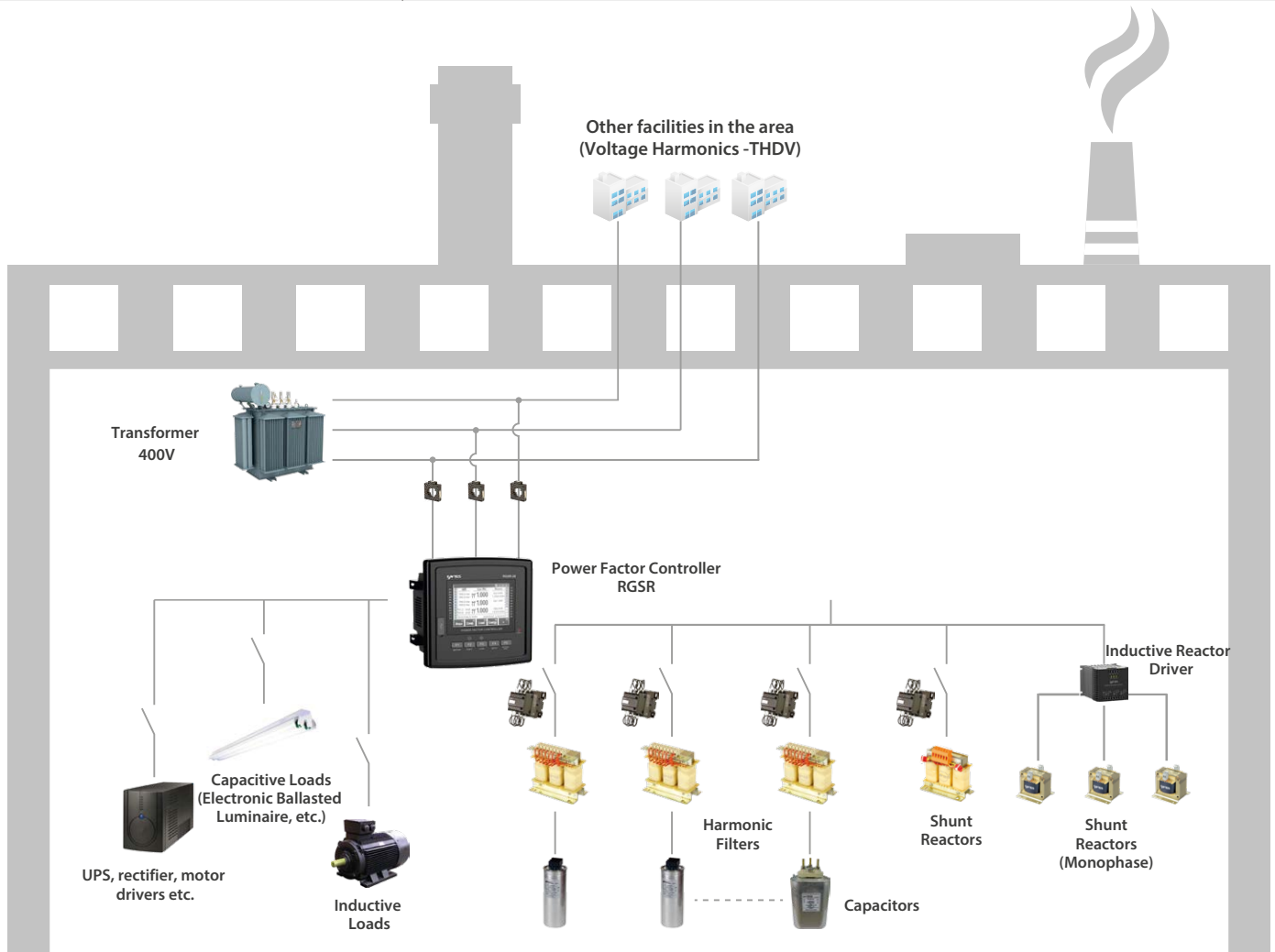
Parameters Measured:

I,V,W,VA_r,VA, kWh,kVARh,kVAH,Cos ϕ ,THDI,THDV



SPECIFICATIONS

	RGSR-15S	RGSR-20S	RGSR-20S-OG	RGSR-24S-OG
Step	12 + SVC	16 + SVC	16 + SVC	20 + SVC
SUPPLY				
Operating Voltage (Un)	100-270(-15%+10%)VAC/VDC			
Operating Frequency	45~60 Hz			
MEASUREMENT				
Measuring Parameters	I,V,W,VA _r ,VA, kWh,kVARh,kVAH,Cos,THDI,THDV			
Measurement Class	%0.5(V,I,W,VA _r ,VA),%0.02(Hz,Cosθ)			
Step Engaging and Releasing, and Discharge Duration	1-1800 seconds			
THDV Setting Limit	%0 - 100			
2. Current Transformer Input	✓			
Individual Harmonic	51			
Medium Voltage	X			✓
DISPLAY				
Active Area	Monochrome graph			
Colour	White/Grey Positive			
Resolution	240 x 160 pixels			
OPERATING ENVIRONMENT				
Operating Environment Temperature	-20 +70°C			
Maximum Relative Humidity	95%			
CONNECTIONS				
Installation	Vertical Panel Installation			
Panel Segment Size	138x138mm			
Maximum Depth (In-Panel)	60mm			
COMMUNICATION				
RS-485 (Modbus RTU)	✓			
BOX				
Dimensions	144 x 144 mm			
Protection Class	IP 51 (Front Panel), IP 20 (From the Back)			



HEADQUARTERS

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