



## Automatic Power Factor Improvement Panels

**Gauss** Automatic Power Factor Improvement Panels offers a very cost effective solution to Power Factor Problems. By maintaining the power factor to near unity it effectively reduces the PF Penalty or reduces KVAH billing to a minimum. These panels can be installed and commissioned within an hour thus reducing the clients down time. All the components used in these panels are from reputed manufacturers like Siemens, ABB, Epcos etc. This ensures trouble free operation and also increases the life span of the panels. Specially designed Surge Suppression Reactors used in these panels greatly reduces the switching currents. This ensures a very long operational life of contactors and capacitors. This also greatly reduces the current spikes that is normally associated with capacitor switching panels. **Gauss's** unique and simplified design approach ensures a very cost effective and a high quality panel.

### Salient Features of PFC-XXX-SA1 Panels.

- Complete APFC Panel in a small and Compact unit.
- Wall Mounted or floor mounted.
- Easy to Install as all material required for installation is supplied with the panel.
- Manufactured to the highest quality standards.
- All components are of reputed brands.
- Specially designed reactors to greatly reduce Switching Surge Current.



## Features of PFC-XXX-SA1 Panels

Measurement	Single Voltage( $V_{R-Y}$ ), Single Current ( $I_B$ )
Compensation	3Ph-3W Balanced
Switching	Contactor
Protection (Incoming)	Standard HRC Fuse
Step Protection	Standard HRC Fuse
Reactors	Surge Suppression Reactors for each step
Enclosure	CRCA Sheet Steel-Powder Coated RAL-7032
Installation	Floor or Wall Mounted-Bottom cable entry
Load Measurement CT-100:1 Amps	Supplied along with Panel
Incoming Cable (4 Mtrs long)	Supplied along with Panel

Specifications of PFC-XXX-SA1 Panels		Model No.(XXX)			
	Units	010	020	030	040
Supply Voltage	$V_{L-L}$	415/440V AC			
Frequency	Hz	50 Hz			
Total KVAR	KVAR	10	20	30	40
Panel Current	Amps	13.1	26.2	39.3	52.4
No of Steps		4	4	4	4
Step-1	KVAR	1	2	2	4
Step-2	KVAR	2	4	4	8
Step-3	KVAR	2	4	8	12
Step-4	KVAR	5	10	15	15
Fuse Rating (Incoming)	Amps	32	63	100	125
Fuse Rating -Step-1	Amps	6	6	6	10
Fuse Rating -Step-2	Amps	6	10	10	25
Fuse Rating -Step-3	Amps	6	10	25	50
Fuse Rating -Step-4	Amps	16	32	50	63
Load measurement CT (with 4 Meter Wire)		100:1 Amps- 1% Accuracy			
Power Cable(3Ph-4 Meters Long Copper)	$mm^2$	4	6	10	16

Panel Dimensions for 10/20 KVAR (H, L, D): 690x480x245 mm.

Panel Dimensions for 30/40 KVAR (H, L, D): 880x560x245 mm.

For other ratings please contact us.



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