



APFC Panel –Introduction

In view of the considerable increase in power distribution networks and to meet the increasing customer and industrial demands it has become imperative to optimize the use of available power through APFC Panels.

The awareness of power loss is increasing and power factor correction (PFC) is enhancing power improvement and saves costs even ensures a fast return on investment. PFC focuses on the power flow and optimizing the voltage stability by generating reactive power.

Automatic correction is always recommended to eliminate manual dependence and to achieve better accuracy. It also eliminates the risk of a leading power factor by a human error that may cause an excessive voltage at the connected equipment terminals.

We are very instrumental in providing an excellent range of Automatic Power Factor Control Panel, which is developed using best quality raw materials.

Range

- APFC Output Rating: 25,50,75,100 Kvar
(Other ratings are available on request)
- Voltage Rating : 415 V AC, 50 HZ

Salient Features

APFC Panel Available from 25KVAR, 50KVAR, 75KVAR & 100KVAR.
Measures the reactive power of the system through 1 CT.
MCB / MCCB is used for Incoming protection.
Capacitor stage display is provided through Indicating Light.
There is option for operation of APFC with Auto and Manual option.
Efficient Techno Economic Solution.
Designed for better heat dissipation.



For more information
scan the QR code.



Technical Details of APFC Panel

APFC Rating	25 KVAR	50 KVAR	75 KVAR	100 KVAR
Power Supply System	3 Phase 4 Wire	3 Phase 4 Wire	3 Phase 4 Wire	3 Phase 4 Wire
Rated Voltage	415V	415V	415V	415V
Frequency	50Hz	50Hz	50Hz	50Hz
Duty Type	Continuous	Continuous	Continuous	Continuous
Panel Standard	IEC-60439	IEC-60439	IEC-60439	IEC-60439
Installation Type	Indoor Type**	Indoor Type**	Indoor Type**	Indoor Type**
Enclosure IP	IP-20	IP-20	IP-20	IP-20
Cable Entry	Top / Bottom	Top / Bottom	Top / Bottom	Top / Bottom
Capacitor Type	MPP Type	MPP Type	MPP Type	MPP Type
Capacitor Duty	Heavy Duty	Heavy Duty	Heavy Duty	Heavy Duty
Discharge Register	Cylindrical Built-In	Cylindrical Built-In	Cylindrical Built-In	Cylindrical Built-In
Incomer Type	63A FP MCB	100A TP MCCB	160A TP MCCB	200A TP MCCB
Contactors Type	Capacitor Duty	Capacitor Duty	Capacitor Duty	Capacitor Duty
APFC Relay Step	6-Step	6-Step	8-Step	8-Step
APFC Relay C.T Sensing	Single-C.T			
No. of Bank	6		7	8
Over Voltage	100% Continuous			
	110% for 8 Hours in every 24 Hours			
	120% for 5 minute			
	130% for 1 minute			
Over Current	200% of continuous rated current			
Ambient Temperature	-5 Degree C to +40 Degree C			
Temperature Rise	20 Degree C Rise at Ambient Temperature			
Altitude	1000meter above sea level			
Application	Used in Hospitals, Textile Industry, Sugar Industry, Cement			
Type	Industry, Chemical Industry, Steel Industry etc.			

Note : - ** Outdoor Type Installation also available on request.



HPL Electric & Power Ltd

Corp. Office: 76-B, Phase-IV, Sector-57, HSIIDC Industrial Estate, Kundli-131028, Sonapat, Haryana INDIA.
Tel.: +91-130-350 3958, 350 3437
Registered Office: 1/20, Asaf Ali Road, New Delhi-110 002, INDIA.
E-mail: hpl@hplindia.com

Follow us :    

Customer Care No.: 18004190198
E-mail: customercare@hplindia.com

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