



## APFC Panel



### SPECIFICATION :

Structure	IP 42/45 Indoor Type, Free Floor Standing Front and Rear Open able
Thickness	2.0mm/3.15mm CRCA Sheet
Cable Entry	Top /Bottom Side
Design	Welded / Modular/ Draw-out
Feeder & Compartment	Incomer Feeder, Capacitor Feeder, Busbar Compartment, Cable Alley, Metering Compartment
Incomer	MCCB/ ACB
Metering	Digital Panel Meters + Indication lamp
Capacitor	APFC Relay/Cap. Duty Contactor/Thyristor /Reactor/HD Capacitors
Panel Wire	0.75 Sq.mm to 25Sq.mm Single Core Copper Flexible wire(FR/FRLS)
Busbar	EC Grade Copper/Aluminum Flat bar
De-rating Factor of Busbar	for Copper -- 1 Sq.mm = 1.6A. For Aluminum -- 1 Sq.mm = 0.8A.
Panel Accessories & Hardware	SS 304 Nut Bolts, PU Gasket, Door Hinges, Lifting Hook
Paint	Duly Powder Coating with Precoating Process of 7 Tank

### APPLICATION :

APFC ( Automatic Power Factor Correction ) mainly used to Improve Powerfactor ( 0.95 to 1.0 Lag/Led) Type of APFC Panels are

- 1)Capacitor + Cap. Duty Contactor ( 415V, 440V, 525V)
- 2)Capacitor + Cap. Duty Contactor + 7% Detuned Reactor ( 415V, 440V, 525V)
- 3)Capacitor + Thyristor Switching + 7% Detuned Reactor ( 415V, 440V, 525V)

We have Complete in-house Facility to Manufacture APFC Panel up to 1000KVAR, with Desired Rating selection of Capacitor, Cap. Duty Contactor, MCB, Wire Size, APFC panels are manufacturing by 14/16SWG, CRCA dully 7 Tank Powder Coating Process, We have in-house Design and Development systems for Improvement of Quality and Productivity

We follow IEC 61439 Standard and Provide enough space for Incoming and Capacitors Cable Termination, all Hardware Nut, Bolts used in side the Panel are of SS Metals.

The Design of the APFC Panel are Robust and Rigidly Constructed to Suit wide range of Industries and Buildings, The Supporting Structure/Frame work are made from 3.0/5.0mm Thickness steel Section, The Doors Cover Partitions and Panel are Fabricated with Hi-tech CNC Fiber Laser Cutting and CNC Bending Machines, We Provide CPRI Type testing Report for IP42 and Short Circuit Test Report up to 5000A- 65KA for 2 Sec

we are Having more than 20 Years of Experience, Our Customize Solution and Design will Help to our Client for Betterment, Long lasting, Productivity and Trouble Less Solutions

We are with you always, Because " Engineers Always with you ....."