

# Power Factor APFC



## Description

- + Available from 25 KVAR TO 325 KVAR in Series-I and Series-II
- + Heavy Duty 3 Phase Cylindrical Capacitor
- + Expandable Intelligent PF Control for small medium load networks
- + Ultimate solution for compensation of unbalanced loads
- + Measure the reactive power of the system through 3CT's from all 3 phase
- + Highly intelligent Micro processor based 3 phase P.F. Controller with optional
- + Dual P.F. Setting
- + LCD Controller with inbuilt Load Manager with front optical port
- + Optional Plugable Data logger, Ethernet, USB, RS485, GSM modem and capacitor protection modules
- + Powder Coated-Structure finish with attractive Deep Orange and Dark Blue finish
- + Incomer TPMCCB
- + HRC/HCB's are used for backup protection

# Technical Specifications

#	Parameters
<b>Design</b>	Type-I – Standard Enclosure with separate compartment for Capacitor Banks & Switchgears. Type-II – Modular bolted structure with separate compartments for outgoing HRC / MCB / MCCB and Contactor for each Capacitor Bank. Capacitor Banks are in separate compartment.
<b>Enclosure Finish</b>	Type-I – Epoxy polyester powder coated Deep Orange and Deep Blue structure finish Type-II – Epoxy polyester powder coated RAL 7035 and Deep Orange structure finish Internal parts: rust proof zinc passivated / powder coated
<b>Rated Voltage</b>	415V-440V/50Hz
<b>Output Rating</b>	(Refer to Banking Configurations) Other output ratings, switching combination or design voltages are available upon request
<b>Capacitors</b>	Heavy Duty Cylindrical Power Capacitors used which are rated at 440V, 50Hz
<b>Contactors</b>	Capacitor Duty Contactors with early make contacts
<b>Incoming / Outgoing</b>	MCCB 25kA as Incomer and HRC Fuses / MCB's / MCCB's for backup protection of cap. banks (other combinations on request)
<b>Auto Manual Arrangement</b>	On-Off Push Buttons with ON Indication Lamps. Selector Switch for Auto / Manual mode (optional)
<b>Cooling Arrangement</b>	Axial Flow Fan with Louver and thermostat
<b>Protection class</b>	IP 40
<b>Wiring &amp; Busbar</b>	HR Copper wires are used for all wiring connections to Electrolytic grade Aluminium Busbar section
<b>Power Input</b>	3 Phase with ground (neutral line is not required)
<b>CT Input for sensing</b>	5A/1A from all 3 phases or 1 phase as per controller type
<b>Discharge Resistance</b>	10% of the rated capacitor voltage in about 30 seconds after switching 'OFF' through MOR



## Neptune India Ltd.

Neptune House, A 11 – Sector 59  
Noida – 201301, INDIA  
Tel: 0120 420 5900, 429 7900  
Email: enquiry@neptuneindia.com  
www.neptuneindia.com