



P. F. Compensation System (VAR – Dynamic Compensation) (TAS – APFC)



Total Custom Built System Design:

- Immunity to Harmonics by detuned harmonic blocking reactors.
- Single CT or Three CT measurement methods with automatic Synchronisation

Various system ratings ranging from 9kVAr to 800kVAr.

Enclosure Class IP - 21 to IP - 56.



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Features:

- Totally Custom built design.
- Harmonic Immunity through appropriate detuned harmonic blocking reactors.
- Capacitor Duty Contactors for supply system transient reduction due to Capacitor switching.
- Usage of Capacitors type Like MPP, MD, APP, Gas filled - based on site requirement.
- Monitoring of Power Parameters by in built 1.0 Class APFC relays from TAS Powertek.
- Data Logging facility with RS - 485 PC interface.
- Alarm and Event / Fault logging with date and time stamp for fault diagnosis.
- Optional GSM - SMS mode of communication for remote monitoring and control.
- Usage with specialised schemes like HT correction by LT compensation, Multiple set point PF for Mains Generator operations.
- Panels Protection Class based on site conditions - IP - 21 to IP - 56.
- Protection through reputed brand switchgear selected for appropriate kA short circuit capacities.

Specifications:

Voltage: 415Vac - 3-phase 50Hz.
(60Hz Optional)

Current : Max 120% of rated value.

Temperature:

Working: 0°C to 50°C ambient.

Storage: 10°C to 75°C ambient.

Measurement Accuracy:

Class 1.0 for kW and Class 2.0 for kVAR as per IEC - 62053 part 22,23.

Watt Loss:

≤ 0.5% kW of the rated kVAR value.



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