



## Real Time P.F. Correction System (TAS – RTPFC)



**60mS** High Speed  
Hot Response  
PF  
Correction.

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## Features:

- Totally Custom built design.
- High Speed Hot response for VAR compensation - Selectable upto 60mS.
- Harmonic Immunity through appropriate detuned harmonic blocking reactors.
- Thyristorised Capacitor switching giving total solid state and reliable operation.
- Various Protection to thyristors via
  - \* Spike Current.
  - \* Voltage transients.
  - \* Over Current & Over temperature.
  - \* Supply system connection faults.
  - Self Health monitoring.
- Usage of Capacitors type Like MPP, MD, APP, Gas filled - based on site requirement. Along with on - line health monitoring in term of  $\mu F$  value.
- 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.

## Specifications:

**Voltage:** 415Vac - 3 - phase 50Hz.  
(Other Voltages & 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:

$\leq 1\%$  kW of the rated kVAR value..

### Response Time:

Overall hot response time for kVAR correction within  $\pm 3\%$  of required kVAR value – Adjustable upto 60 mS.



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