

KEY COMPONENTS

- ◆ Capacitors
- ◆ Switching devices
 - Contactors
 - Compound Switch
 - Thyristor
- ◆ Reactors (filter)
- ◆ Power factor controller



FEATURES AND BENEFITS

- ◆ **Fast return on investment through lower power costs**

Power factor correction reduces the reactive power in a system.
Power consumption and thus power costs drop in proportion.
- ◆ **Effective use of installation**

An improved power factor means that an electrical installation operates more economically (higher effective power for the same apparent power).
- ◆ **Improved voltage quality**
- ◆ **Reduced voltage drops**
- ◆ **Optimum cable design**

Cable cross-sections can be reduced with improvement of power factor (less current). In existing installations for instance, extra or higher power can be transmitted.
- ◆ **Reduced transmission losses**

The transmission and switching devices carry less current, i.e. only the effective power, meaning that the ohmic losses in the leads are reduced.



| APFC :CONTACTOR | | 3kv 6.3kv 10kv 35kv |
|-----------------------|--|---------------------|
| Model | ZD-GWJ | |
| Rated Voltage | 10KV | |
| Connection type | Three-phase 3 wire, Three phase 4 wire | |
| Rated Frequency | 50/60HZ | |
| Response time | 100ms | |
| Step capacity | 100,200,300kVAr | |
| Rated Capacity/panel | 1200kVAr | |
| Power Factor | 0.9 | |
| Switch | Contactor | |
| Capacitance Tolerance | -5%, +10% | |
| Reactance ratio | 6% 12% | |
| Switching | Automatic switching | |
| Storage temperature | -40~85 °C | |
| Working temperature | -25~55 °C | |
| Humidity | ≤95%,non-condensate | |
| Dimension (mm) | 800*800*2200 | |
| Installation | Indoor,free standing | |
| Altitude | <1500m without de-rating | |
| Certification | CCC,Type Test Report | |

