Power Factor Correction
UCWT, BCWT, and CWMC Series

Energy-Saving Solutions
Power Factor Correction Capacitors

WEG power factor correction capacitors are designed and developed with self-healing metallized polypropylene film and security protection against internal over pressure.

These capacitors are divided into three product groups:
UCWT Series – Three-phase capacitor units
BCWT Series – Three-phase enclosed capacitor banks
CWMC Series – Contactors for capacitor switching

Standard Features
- Self-healing metalized polypropylene film
- Internal over-pressure security device (mechanical fuse) against explosion
- Maximum allowed fault current of 10kA
- Dielectric losses smaller than 0.2 W/kVAR
- Internal discharge resistors in three-phase units, modules and banks
- Custom PFCC banks available upon request

Three-phase Capacitor Units – UCWT (D, E, F Series)
Reactive Power 0.45…20 kVAR
Rated Voltage 208 and 240V
Reactive Power 0.5…50 kVAR
Rated Voltage 480V

Accessories for UCWT Series
Discharge Resistors

D Series
E Series
F Series
Three-phase Enclosed Capacitor Banks – BCWT Series

- **Straight-forward design** - Three-phase WEG UCWT capacitors are assembled in a NEMA 4 enclosure, making it easy to install and wire.
- **Reliability** - High performance and low loss with self-healing polypropylene dielectric film
- **Flexibility** - Available with or without fuses at 240V and 480V
- Custom enclosed capacitor banks available upon request

Contactors for Capacitor Switching â€“ CWMC Series

- Available in 5 models in 3 frame sizes
- Embedded early make contact block (automatic drop-out after a few milliseconds)
- Low inrush currents and larger life span of the damping resistors
- Available in AC coils and multiple coil voltages
- Extended under-voltage coil release: 0.75 xUc
- UL508 and IEC 60947-1 compliance
- Front and side mounting auxiliary contact blocks
- 35mm DIN rail or screw mounting

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![Current on the contacts, without damping resistors](current_without_damping_resistors.png)

**lu (A) with standard contactors**

![Current on the contacts, with damping resistors installed](current_with_damping_resistors.png)

**lu (A) with WEG CWMC contactor**

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