

## Applications

- Branch panels
- Main Service Entrance

## Standard Ratings

- 100kVAR-1200kVAR (custom sizes available)
- 208, 480, 600V
- 3-phase
- 60 Hz
- De-rated or detuned (choked) configurations

## Capacitor Cells

- 200,000 – hour rated life
- 3-phase delta connected
- MKP, dry inert gas N<sub>2</sub>
- Low loss - 0.2 W per kVAR
- Internal overpressure disconnect
- Touch safe terminals

## Enclosure

- NEMA 12 style for indoor use
- Wall-mounted or free-standing with hinged door and lockable door handle

## Field Wiring Termination

- Mechanical connections provided for all field wiring termination points

## Microprocessor base “intelligent” controller

- Backlight graphic 128 x 80 pixel LCD with text in 10 languages
- Automatic sensing of CT current flow
- Connection to single and three phase lines, three phase lines with neutral and co-generation systems with 4 quadrant operation
- Capability to correctly operate in systems having high harmonic content
- Extreme reduction of the number of switching operations
- Balanced use of steps with the same power rating
- Reactive power measurement per installed step
- Recording of the number of connections per step
- Capacitor over-current protection on all three phases
- Over-temperature protection by internal sensor
- Accurate no-voltage release protection function
- Current and voltage harmonic analysis
- Harmonic analysis of current and voltage waveforms recorded for overload events
- Quick CT programming function

## Additional Controller functionality options:

- USP and Wi-Fi communication interface for personal computer, smartphone and table connection
- Modbus-RTU, TCP and ASCII communications protocols
- Set-up and remote control software
- SMS sending for alarm conditions with EXP10 15 expansion module



## Inrush limiting magnetic contactor

- Reduced I<sup>2</sup>R losses
- Eliminate current inrush or ring waves when switching

## Options

- Circuit breaker or disconnect switch
- Other enclosure ratings
- Surge Protection device
- Installation and Commissioning
- Equipment financing
- Preventive Maintenance Services

3 yr Warranty (extendable)

## 600V Auto-Switching Power Factor Correction Bank

Part #	kVAR	Step Configuration (kVAR)	Rated Current (A)	Breaker Size Required (A)	Base Shipping Weight lb / kg	Dimensions Standard W x D x H (mm)	Standard Wire Lug Size
CPA120/600/X/D/N1	120	2 x 60	115.4	250	600lbs/272kg	600 x 600 x 2000	350mcm (or 2x 2/0)
CPA120/600/X/D/N1+		1 x 20, 1 x 40, 1 x 60	115.4	250	600lbs/272kg	600 x 600 x 2000	350mcm (or 2x 2/0)
CPA180/600/X/D/N1	180	3 x 60	173.2	250	700lbs/318kg	600 x 600 x 2000	350mcm (or 2x 2/0)
CPA180/600/X/D/N1+		1 x 20, 1 x 40, 2 x 60	173.2	250	700lbs/318kg	600 x 600 x 2000	350mcm (or 2x 2/0)
CPA240/600/X/D/N1	240	4 x 60	230.9	350	800lbs/363kg	600 x 600 x 2000	2x 3/0
CPA300/600/X/D/N1	300	5 x 60	288.7	400	1000lbs/454kg	800 x 600 x 2000	2x4/0
CPA360/600/X/D/N1	360	6 x 60	346.4	500	1200lbs/545kg	1000 x 600 x 2000	2x350mcm
CPA420/600/X/D/N1	420	7 x 60	404.2	600	1400lbs/635kg	1200 x 600 x 2000	3x4/0
CPA480/600/X/D/N1	480	8 x 60	461.9	700	1500lbs/680kg	1200 x 600 x 2000	3x250mcm
CPA540/600/X/D/N1	540	9 x 60	519.6	800	1800lbs/817kg	1600 x 600 x 2000	3x350mcm
CPA600/600/X/D/N1	600	10 x 60	577.4	800	2000lbs/908kg	1600 x 600 x 2000	3x350mcm

## 600V Auto-Switching Power Factor Correction Bank - with Installed Breaker

	kVAR	Step Configuration (kVAR)	Rated Current (A)	Breaker Size (A)	Breaker Interrupting Rating (KA)	Base Shipping Weight w/Breaker lb / kg	Dimensions w/Breaker W x D x H (mm)	Standard Wire Lug Size
CPA120/600/1/D/N1	120	2 x 60	115.4	250	50	650lbs/295kg	600 x 600 x 2200	350mcm (or 2x 2/0)
CPA120/600/1/D/N1+		1 x 20, 1 x 40, 1 x 60	115.4	250	50	750lbs/430kg	800 x 600 x 2200	350mcm (or 2x 2/0)
CPA180/600/1/D/N1	180	3 x 60	173.2	250	50	850lbs/386kg	800 x 600 x 2200	350mcm (or 2x 2/0)
CPA180/600/1/D/N1+		1 x 20, 1 x 40, 2 x 60	173.2	250	50	850lbs/386kg	800 x 600 x 2200	350mcm (or 2x 2/0)
CPA240/600/1/D/N1	240	4 x 60	230.9	350	50	950lbs/431kg	800 x 600 x 2200	2x 3/0
CPA300/600/1/D/N1	300	5 x 60	288.7	400	50	1200lbs/545kg	1200 x 600 x 2200	2x4/0
CPA360/600/1/D/N1	360	6 x 60	346.4	500	50	1400lbs/635kg	1200 x 600 x 2200	2x350mcm
CPA420/600/1/D/N1	420	7 x 60	404.2	600	50	1600lbs/726kg	1600 x 600 x 2200	3x4/0
CPA480/600/1/D/N1	480	8 x 60	461.9	700	50	1800lbs/817kg	1600 x 600 x 2200	3x250mcm
CPA540/600/1/D/N1	540	9 x 60	519.6	800	50	2000lbs/908kg	1600 x 600 x 2200	3x350mcm
CPA600/600/1/D/N1	600	10 x 60	577.4	800	50	2200lbs/998lbs	1600 x 600 x 2200	3x350mcm

Available in other sizes and step configurations

Thyristor switching available