

# MVC-PLUS

## FEATURES

**MODEL:** MVC-PLUS MEDIUM VOLTAGE SOFT-STARTER

**DESCRIPTION:** Advanced Motor Control Protection and Monitoring in a Reliable Field Proven Soft Starter.



Effective 02-09-23  
Supercedes All Previous



## APPLICATIONS

- Pump Systems
- Gas Compression
- Conveyor Systems
- No Load Motor Test Stands
- Aggregate Crushers
- ID Fans & Blowers

## FEATURES

- Available Voltage Class: 2300V, 3300V, 4160V, 6000/7200V, 11kV-15kV
- Units Available Up to 10,000 HP at 7.2kV (1500 amps)
- Units Available Up to 20,000 HP at 15kV (800 amps)
- 2,300V-7,200V (60kV BIL) / 11,000-15,000V (110kV BIL)
- Programmable Keypad/Operator with 2 Lines x 20 Character w, Backlit Display
- Up to 12 RTD Inputs Available
- Rugged Full Pulse Gate Firing Circuit
- Custom Packaged Systems Available Including Cascading
- Low Voltage Optically Isolated From Medium Voltage
- 500% current limit for 60 seconds
- Fully Rated Disconnect Switch
- Voltage Ramps with Current Limit
- Pump-Flex Feature Controls Water Hammer
- Built in RS-485 Communication
- Other Communication Protocols Available
- Free Software for Start up and Monitoring
- DV/DT Transient Voltage Protection
- Fully rated Line and Bypass Contactor
- Digital Control Unit on the Low Voltage Door
- Volts, Amps and Power reading for Measurement and Protection
- Motor and Starter Protection:
  - Phase Imbalance
  - Short Circuit Detection
  - Over / Under Voltage
  - Starter Over-Temp
  - Starts Per Hour Lockout
  - Phase Reversal
  - Over / Under Current
  - Shorted SCR
  - Coast Down Lockout
  - Time Between Starts
- NEMA 12 Enclosure Standard (3R Enclosure Optional)
- 3 Year Warranty with Factory Start-Up
- UL, cUL and CE Approved