

Discover the Cerus Difference!

Why choose Cerus?

Ultra-Compact Design!



GS & P Series Drives

Cerus Bypass

Easy Setup

Built in application programs are embedded in Cerus drives to make set-up quick and easy. Program settings can be uploaded and stored in the removable keypad then downloaded to make multiple drive setups easier, or use our Driveview software on your windows computer to save settings, monitor drive operation and much more.

Intelligent High Performance

With Cerus P and GS drives you benefit from the latest advances in power technology. The 32 bit microprocessor controller provides precise adaptive control to maximize performance and efficiency with features such as sleep mode, automatic motor tuning, and automatic energy savings modes.

High Reliability

To maximize uptime, all Cerus drives can be programmed for automatic power fail restart with flying start synchronization and automatic fault reset. Our powertrain is one of the best in the industry with 150% overload capability on constant torque applications and up to 100 KAIC interrupting ratings.

Advanced Communications

Cerus drives easily integrate into existing control networks with our standard Modbus communication port or optional BACnet, Lon Works, Johnson Controls Metasys N2, or Profibus. With any of these native communication ports you have complete control and monitoring of all drive functions.

Space Vector Control

Space Vector, one of the most sophisticated drive algorithms available is embedded in all Cerus drives. With 32 bit microprocessor operation and Space Vector control, torque and voltage of the drive is optimized in real time. This reduces voltage harmonics, lowers motor heating and extends motor life by as much as 20% over conventional drive control.

High Value

Both the P and GS series drives are loaded with features that are standard at no additional costs.

High Quality

Quality of assembly and design ensure Cerus enclosed drive packages are built for the long term. We use only the highest rated Cerus components. Our vertical integration of components ensures optimum fit and performance.

Space Saving Design

Compact design minimizes wall space and reduces your total installed costs. Our GS Bypass is one of the smallest bypass packages available anywhere.

Fast Shipment

In most cases, we can ship out bypass packages the same day as ordered.

Totally Configurable

Two or three contactor bypasses and easily configured drive controls that meet your application needs are no problem!



UL Type 3R

Cerus UL Type 3R package is designed specifically for outdoor drive applications. This package is designed for maximum thermal efficiency with features including a light epoxy finish to reflect sunlight & reduce thermal loading, high efficiency fan vents, and a fully sealed & gasketed chassis to keep out dust and moisture.



GS-Series

- 50 degrees Celsius temperature rating.
- Built in Dynamic Braking
- Tripless operation
- Standard Modbus communications

- Multi-function inputs**
Programmable inputs for flexible system integration
- Flying-start**
Inverter protection for back-spinning fans
- Dynamic Braking**
Speed reductive capability
- Auto Energy Savings**
Self optimizing regulation to slash KWH
- PID Set Point Control**
Increases control and efficiency
- Space Vector PWM**
Clean power for efficiency and enhanced motor life



P-Series

- Dual PID controls
- Built in Watt Hour Meter
- Multi-motor control
- Dual rated: constant or variable torque

- Multi-function inputs**
Programmable inputs for flexible system integration
- Watt hour meter**
Track energy consumption with no added cost!
- Sleep mode**
Drive shuts down at low loads; CPU remains on watch for demand.
- Flying-start**
Inverter protection for back-spinning fans
- Dynamic Braking**
Speed reductive capability
- Dual PID Set Point Control**
Increases control and efficiency



- Auto Energy Savings**
Self optimizing regulation to slash KWH
- Space Vector PWM**
Clean power for efficiency and enhanced motor life
- Full Sensorless Vector Control with auto-tune**
Improved torque efficiency at low speeds and precise response
- Multi-Motor Control**
Control up to 4 sub-motors for pumping applications. Custom firmware available for wastewater

Setting the NEW industry standard