



SPARTAN CONTROLS

Experience Industrial Innovation

Power & Drive Solutions Product Linecard



The payback period for installing drives is usually less than three years and can be less than a year.

Variable frequency drives (VFDs), also known as AC drives, are used to control the speed of electric motors, which consume approximately 25% of the world's electrical energy in industrial and commercial applications. Used in building automation applications to control the speed of fans and pumps in various systems, VFDs enable users to operate a motor at any commanded speed as opposed to running across-the-line at a fixed speed. This variable speed control improves energy efficiency and lessens the wear and tear on mechanical couplings, such as gears, belts, and pulleys.

Other benefits include:

- Speed and torque control
- Soft start
- Motor protection
- Energy savings
- Remote monitor/control

Spartan Controls is the exclusive representative of Yaskawa Electric AC Drives in Western Canada, a world-leading manufacturer of electric drive technology.

At Spartan, we serve the *Customer First*.

BRANDS

 **HYUNDAI ELECTRIC**

YASKAWA

 **SPARTAN
CONTROLS**

Hyundai Electric

Hyundai manufactures a wide range of industrial motors, providing Customers with the best motor for their environment and operating conditions. Hyundai's electric motors comply with international standards such as CSA, UL, IEEE841, IEC, API541/547 and NEMA, and are manufactured using state of the art design technology and rigorous production quality control. The result is exceptional performance across process industries such as oil and gas, chemical/petrochemical, mining, pulp and paper, power generation, water/wastewater and manufacturing.



Hyundai Electric
Medium Voltage Motor

Product Range

- Low Voltage: 1HP to 3000HP
- Medium Voltage: 100HP to 30,000HP

Spartan Controls PowerVUE

Spartan's PowerVUE is a comprehensive Power Distribution and Motor Control offering designed for heavy power users. PowerVUE's innovative modular concept streamlines the assembly process resulting in faster delivery times compared to traditional Switchgear and Motor Control Centers.

Additional features include:

- DeltaV™ Ready: Integrated PK controllers and CHARMS I/O facilitate seamless connection directly to your site DCS (no PLC is required).
- Fully Withdrawable Units: Withdraw buckets without the use of any tools. Line, load and control terminals are connected via stab assemblies, allowing for instant disconnection and reconnection of critical devices.
- Quick Installation: integrated DeltaV™ allows for pre-programming and loop checking prior to shipment which reduces commissioning time.



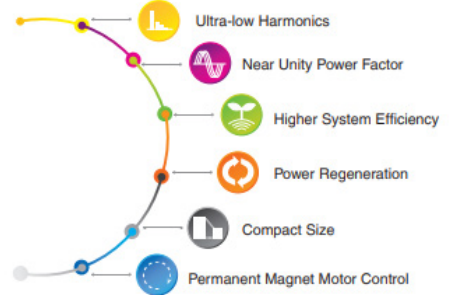
Spartan Controls
PowerVUE

Product Range

- Low Voltage: 800A to 6000A

Yaskawa

Yaskawa Electric is the leading global manufacturer of inverter drives, servo drives, and medium voltage inverters. Founded in 1915, Yaskawa has been a pioneer in motion control and drive technology, launching product innovations, which optimize the productivity and efficiency of both machines and systems. Yaskawa's innovate offering includes the Matrix VFD: the world's only AC to AC inverter without a DC bus.



Product Range

- Low Voltage: 1/8 HP to 2,250 HP
- Medium Voltage: 300 HP to 16,000 HP

Local Support Capabilities

Spartan Controls has the resources to support your power and motor control application. We have a qualified team of application specialists, technical sales support, and commissioning support across Western Canada. Through our Calgary Solutions Centre, we provide customized packaged VFD solutions.

Our local support capabilities includes:

- Application specialist support in Calgary
- Technical sales support in Calgary, Edmonton and Burnaby
- Local repair & testing facility in Calgary
- Low voltage packaging facility in Calgary
- 24/7 phone support **+1 (877) 278-6404**
- Western Canadian-based field technicians to support commissioning, start-up, troubleshooting, and maintenance 24/7
- Unmatched product inventory
- Technology leader providing the solutions with highest efficiency

Experience Industrial Innovation

Call us today or request a quote online!

24/7 +1 877 278-6404

www.spartancontrols.com

