

Automation | Valves | Measurement | Process Control





POWERVUE™ MOTOR CONTROL CENTRES

Spartan Control's PowerVue™ Motor Control Centres (MCC) are designed to accelerate project timelines while reducing installation and commissioning costs associated with low voltage MCC projects. Our innovative assembly process provides flexibility to project managers, engineers, and electricians to ensure you get what you want when you want it.



Reduced Start-up Time

Spartan PowerVue[™] can be equipped with built-in DeltaV[™] to significantly reduce site installation and commissioning time.



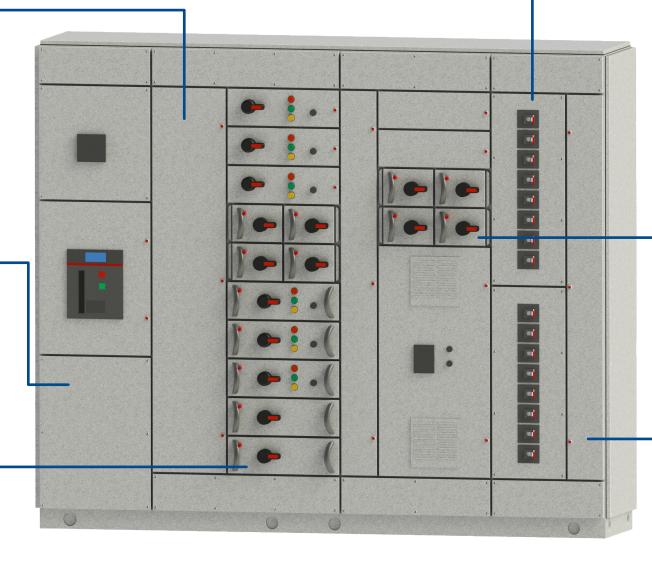
Increased Safety

Protect personnel and equipment by reducing arc flash risk with optional integral arc quenching technology.



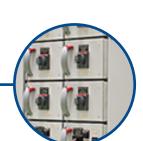
Easy Maintenance

Fully withdrawable options allow for a bucket to be changed in seconds without the use of any tools or manually disconnecting any cables.



Reduced Cost

Multiple mounting options for electrical devices can reduce the overall cost of an MCC.



Reduced Footprint

Compact withdrawable buckets can reduce the overall size of an MCC.



Easy Installation

Larger wireways and quick connection features facilitate easy installation for electricians and staff.

| PowerVue™ MCC Datasheet | | | | | | | |
|--|---|--|----------------------------------|---|---|--|------------------------|
| General Ratings | | | | Control | | | |
| ✓ Indoor Ambient Temp. Temp Rise | Min. <u>-20</u> °C Min. 65 °C | Altitude 1000 r Max. 40 °C | n | Comm Protocols | CHARM I/O DeviceNET | Ethernet/IP Profinet | ✓ ModbusTCP ✓ Profibus |
| Enclosure Rating Exterior Finish Access Cable Entry | NEMA 1 RAL 7035 Front Only Top | NEMA 1A Interior Finish Rear Bottom | NEMA 12 Galvanized Back to Back | Redundancy Control Voltage Control Wiring Wiring Class Terminal Blocks | PRP 120V #14 TEW (STD) 1B Pull Apart | ✓ 24V ✓ #12 TEW ✓ 2C | Other Other |
| Standards CSA C22.2 #254, UL845 | | | Buckets | | | | |
| Electrical Ratings | | | | Туре | ✓ Drawout | ✓ Full Drawout | Fixed |
| Voltage System Frequency Grounding | ✓ 208✓ 3P3W✓ 60Hz✓ HRG | ✓ 480 ✓ 3P4W ✓ 50Hz ✓ Solid | ✓ 600 | Disconnect Contactors Overloads VFDs Pilot Lights Aux Contacts | ✓ Breakers ✓ Electrical Held ✓ Bimetallic ✓ Yaskawa ✓ 22mm (STD) Min. 2 | ✓ Fusible Switch ✓ Mech Latched ✓ Electronic ✓ Other ✓ 30mm Max. 6 | ₽ -T-T |
| 540 | | | | | | | |
| Amperage Phase Bus Ground Bus | ✓ 400A ✓ 1200A ✓ 2500A ✓ 5000A | ✓ 600A ✓ 1600A ✓ 3000A ✓ Tinned Coppe ✓ Tinned Coppe | | Functional Options Nameplates Mounting Base Transfer Switch | Accessor S Shutters Lamacoids Plinth Automatic | Bottom Plates Manual | |
| Insulation | ✓ Copper✓ Fully Insulated | _ | | | DeltaV™ O | ptions | |
| Bracing | ✓ 25kA✓ 85kA | ✓ 42kA ✓ 100kA | ✓ 65kA | Control Marshalling | ✓ PK Controller ✓ CHARMS I/O | | |
| Incoming | | | | | | | |
| Incoming | ✓ MLO ✓ Bus Duct | ✓ Switch | ☑ Breaker | | | | |
| Protection | Ground Fault Arc Quench | ▼ SPD | ✓ Relay | | | | |
| Metering | ₽ PQM | ☑ Delta | ✓ Wye | | | | |