



ATV1200C : MV Drive for Critical Applications and Fault Tolerant Operation.

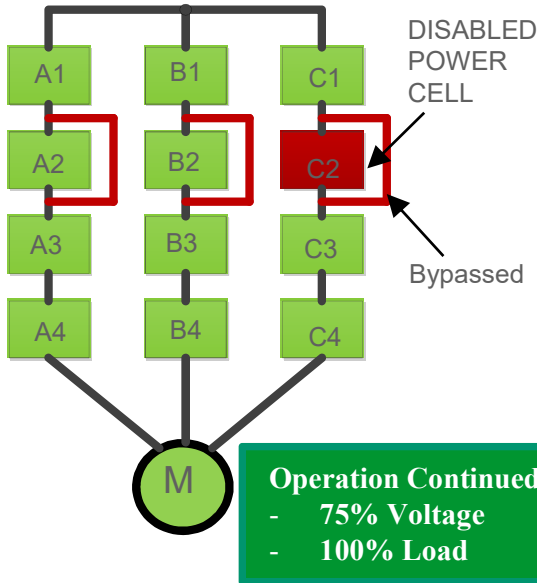


**Power range:** 0.2...16.2MW

**Voltage range:** 3KV to 11KV

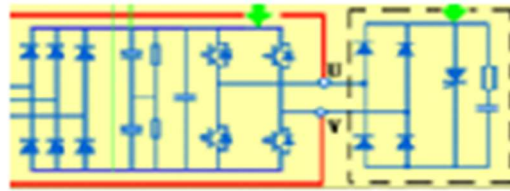
**Pulses:** 18 -3.3KV / 36 – 6.6KV / 54 – 11KV.

**THDi:** < 3%, Communication: Modbus.



Customer Benefits and Schneider ATV1200C Solutions.

<b>Operational Redundancy.</b>	<ul style="list-style-type: none"> <li>Ability of Fault Tolerant Operation through Hot Redundant Power Cell ( n, n+1, n+2).</li> <li>Contact-Less Power Cell Bypass.</li> </ul>
<b>Harmonics Reduction in Power System.</b>	<ul style="list-style-type: none"> <li>The Multicell Architecture.</li> <li>Multiple pulses Architecture.</li> <li>Phase Shift Transformer.</li> <li>Complying toIEEE519 with THDi &lt; 3%.</li> </ul>
<b>Retrofit on Existing Motors and Cables.</b>	<ul style="list-style-type: none"> <li>Can be used to operate any brand of existing ( even non-inverter grade) motors.</li> <li>Do not require special cables.</li> <li>Supports operation with motor cable length up to 1.5 km, without additional Filters.</li> <li>No Common Mode Voltage for long motor life.</li> </ul>
<b>Reduced Down Time.</b>	<ul style="list-style-type: none"> <li>Complete Modular Structure.</li> <li>Excellent Thermal Management.</li> <li>MTTR to be &lt; 30 Minutes.</li> <li>Provide most reliable performance.</li> </ul>
<b>Start-up function for Multiple Motors.</b>	<ul style="list-style-type: none"> <li>Equipped for bidirectional Sync-Transfer with “Make before Break”.</li> <li>Bumpless Transfer to smooth start up motors in cascade sequence.</li> </ul>
<b>Energy Savings from the application.</b>	<ul style="list-style-type: none"> <li>Can be implemented on existing DOL fed systems to provide significant energy savings.</li> </ul>
<b>Peak Demand Control.</b>	<ul style="list-style-type: none"> <li>Motor Starting is limited to Rated Nominal Current of motor.</li> </ul>



Power Cell Circuit

Bypass Circuit

Targeted applications

**Segment : Power**

- Boiler Feed Pumps.
- Coal Belt Conveyors.
- ID and FD Fans.
- Condensate Extraction Pumps.



**Segment : MMM**

- Belt Conveyors / Long Conveyor
- Slurry Pumps
- ID and FD Fans.
- Ball Mills.
- Cement Grinding Units.



**Segment : Water & Waste water**

- Raw Water & Booster Pumps.
- Lifting Stations.
- Blowers and Compressors.
- High Pressure RO Pumps.



**Segment Oil & Gas**

- Crude Oil Transfer Pumps.
- ESP.
- Line Compressors.
- Mixers & ID / FD Fans.

