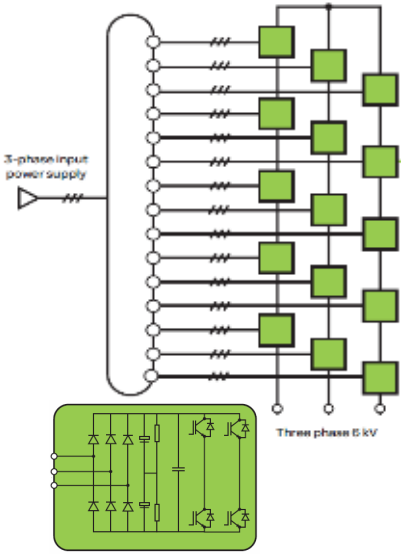


Harsvert : Best Fit MV Drive for Energy Savings in Standard and Retrofit Projects



Power range: 0.2 to 16.2MW  
 Voltage range: 3KV to 11KV  
 Pulses: 18 -3.3KV / 36 – 6.6KV / 54 – 11KV.  
 THDi: < 3%  
 Communication: Modbus.



Customer Benefits and Schneider Harsvert Solutions.

<p>Harmonics Reduction in Power System.</p>	<ul style="list-style-type: none"> <li>• The Multicell Architecture.</li> <li>• Multiple pulses Architecture.</li> <li>• Phase Shift Transformer.</li> <li>• Complying to IEEE519 with THDi &lt; 3%.</li> </ul>
<p>Reduced Down Time.</p>	<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>
<p>Retrofit on Existing Motors and Cables.</p>	<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> </ul>
<p>Energy Savings from the application.</p>	<ul style="list-style-type: none"> <li>• Can be implemented on existing DOL fed systems.</li> <li>• Provide significant energy savings.</li> </ul>
<p>Peak Demand Control.</p>	<ul style="list-style-type: none"> <li>• Motor Starting is limited to Rated Nominal Current of motor.</li> </ul>



Transformer Cabinet      Power Cell Cabinet      Control Cabinet

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.

