

# Power Conditioning Global product offering

ABB's power protection portfolio is a unique line up of UPS, power conditioning and power switching products, designed to solve power quality issues for commercial and industrial applications.

Product / Offering	Benefits and features	Suggested applications
<p><b>Industrial UPS</b></p> <p>PCS100 UPS-I low voltage (150 kVA – 3000 kVA)</p>  <p>PCS100 medium voltage UPS (1 MVA - 6MVA)</p> 	<p>The PCS100 UPS-I is a high performance, high efficiency UPS system that ensures protection from power quality events, enabling continuous power supply to modern industrial processes.</p> <p>ABB's PCS100 MV UPS has been designed specifically to provide clean, reliable and efficient power, and lower costs for customers. Providing power protection at medium voltage has many benefits, including complete facility protection and a world class efficiency of 99.5 percent.</p>	<p>Specifically designed for industrial loads (motors, drives, transformers and production tools).</p> <p>Industrial UPS for industry and large data centers.</p>
<p><b>Voltage Conditioning</b></p> <p>PCS100 AVC-40 (Active Voltage Conditioner for sag correction) (150 kVA - 3.6 MVA)</p>  <p>PCS100 AVC-20 (Active Voltage Conditioner for voltage regulation) (250 kVA - 3 MVA)</p> 	<p>The PCS100 AVC-40, built on a proven and dependable converter platform, provides instant voltage sag and surge correction, ensuring maximum productivity. It offers +/- 10% constant voltage regulation as well as a full correction of 3 phase sags down to 60% of the remaining voltage.</p> <p>ABB's PCS100 AVC-20 ensures a continual, regulated supply of utility voltage where the electric infrastructure is stressed, unstable or unreliable. Its constant +/- 20% regulation range secures productivity by improving consistency in operations and reducing the impact of fluctuating voltage on equipment.</p>	<p>A voltage conditioner designed for industrial and commercial operations.</p> <p>Designed for industrial and large commercial operations in environments where an unstable network or utility voltage affects productivity.</p>
<p><b>Power Factor Correction</b></p> <p>PCS100 RPC (Reactive Power Conditioner) (100 kVAr - 2 MVar)</p> 	<p>By injecting reactive current to stabilize the voltage, the PCS100 RPC can provide a cost effective solution to correct common problems such as power factor, imbalance and harmonic distortion. It is a high performance modular system that responds instantly to power quality events while providing continuous reactive power correction.</p>	<p>Commercial and industrial applications such as manufacturing processes and dynamic motor loads, data centers and generator supplies.</p>
<p><b>Frequency Conversion</b></p> <p>PCS100 SFC (Static Frequency Converter) (125 kVA - 10 MVA)</p> 	<p>ABB's PCS100 Static Frequency Converter allows the interconnection of grid systems with varying frequencies, offering the ideal solution for plant relocation and testing facility applications</p>	<ul style="list-style-type: none"> <li>- 50 Hz ↔ 60 Hz industrial applications</li> <li>- Clean power supply to isolate an unstable grid from a critical load</li> <li>- Replacement of motor generator sets</li> </ul>

Please note: This is ABB's global offering and some products may not be available in your country. Refer to [abb.com](http://abb.com) for your location.

# Contact us

## **ABB**

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