



# Put your power quality problems behind you.

## Power Quality

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Continuous, high-volume production manufacturers, large commercial enterprises, public facilities where staff can't work without power, and of course, essential services providers shouldn't have to think about power quality.

But you do.

Reactive power, load imbalances, voltage sags, flicker, and voltage interruptions. Power quality challenges lead to equipment wear and downtime, inventory waste, additional maintenance and repair, higher operating costs, and grid compliance issues.

Where loads are designed to run within specific voltage ranges, irregularities of milliseconds can cause equipment failure.

Let PG connect your high-precision production equipment up to the consistent, stable voltage your operation needs.

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- ✓ Reactive power and harmonic in industrial grids

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  - ✓ Grid resonance and overcompensation

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  - ✓ Voltage stability in the distribution and transmission grid



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# Dynamic Voltage Restorer

Extremely versatile voltage correction and stabilization.  
Solutions for stable voltage with demanding applications.

## Applications

Improves voltage quality in all industrial sectors

Large-scale industrial facilities

Process sensitive industries (pharma, automotive, paper, medical, semiconductor, etc.)

For compensation of voltage drops in critical applications and even interruptions

## Features

- ✓ Fast LV thyristor switch connected serial to the load
- ✓ Flexible active and reactive power supply
- ✓ Voltage correction in less than 1ms
- ✓ Compact design, fully containerized, cost optimized
- ✓ Freedom from grid interruptions

## Specifications

Voltage	Efficiency	DC Power Connection (e.g. BESS)	Response Time	Voltage Correction Range	Power Range	Time Duration
LV / MV / HV  (50 Hz / 60 Hz)	99%	620V .. 1450V	140 $\mu$ s	Variable	Scalable  (>30 MVA MMC)	Scalable  (1s, 2s, 3s with Ultra Caps or minutes/hours with BESS)