



Put your power quality problems behind you.

Power Quality

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

 - ✓ Avoid Voltage drops, imbalance and flicker

 - ✓ Grid resonance + overcompensation

 - ✓ Voltage stability in the distribution and transmission grid



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Mechanical Switched R / L / C in Damping Grids

Simple + economical solutions for reactive power compensation of MV/HV overhead lines.

Applications

- Distribution + transmission power grids
- For limitation of harmonics amplification in power grids
- Operates under low and heavy load conditions
- Standalone or part of SVC / STATCOM solution

Features

- ✓ Combines advantages of AC filters and compensation capabilities of a capacitor bank
- ✓ Effective grid stabilization and voltage control
- ✓ Provides reactive power + enhances grid stability
- ✓ Compact, robust design

Grid Services

Voltage	Voltage Increase	Voltage Decrease	Compensation /Damp- ing of Harmonics	Frequency Resonance Damping
MV /HV	Switching of Capacitive Reactive Power	Switching of Inductive Reactive Power	Switching of C / L Combination	Switching of Capacitive / Inductive Reactive Power + Damping Resistor