



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, imbalances, and flicker

 - ✓ Grid resonance + overcompensation

 - ✓ Voltage stability in the distribution and transmission grid

Active Harmonic Filters

For industrial distribution networks.
Improves the voltage quality in your factory.

Applications

- Comply with harmonic limits, e.g. IEEE 519
- Reduce harmonics distortion in industrial networks
- Highly dynamic power factor correction
- Mitigate harmonic pre-distortion
- Load balancing

Features

- ✓ Plug & Play
- ✓ Robust design
- ✓ Low Losses < 2.5%
- ✓ Modular design → service-friendly
- ✓ Intelligent control and self-optimization
- ✓ High power density
- ✓ Intuitive operation via touch panel

Specifications

Grid Voltage	Current Rating	Filtering Range	Response Time	Protection Degree	Dimensions (W x D x H)	Interfaces
400 V 480 V 600 V 690 V	125 A 250 A 375 A 500 A	Harmonics 1 ... 51	<< 1 ms	NEMA 1 NEMA 3R	1016 x 635 x 2286 mm	Ethernet (TCP/IP) Modbus TCP