

ENERGY
TECHNOLOGIES



Enterprise Power Quality for Commercial & Industrial Facilities

Up to 35%
ENERGY SAVINGS

50/60Hz
GLOBAL COMPATIBILITY



The World's Energy Problem Is Getting Worse.

Electricity demand is surging. Utility rates are climbing. The grid cannot keep up.

+30%

Rise in utility rates since 2020

REUTERS

US Power Use to Beat Record
Highs in 2026-2027

BLOOMBERG

Soaring Power Prices Send US
on Search for Solutions

FINANCIAL TIMES

The Power Crunch Threatening
America's AI Ambitions

THE HIDDEN THREAT

Harmonic Distortion Is Silently Destroying Your Grid.

Every VFD, LED driver, and switching power supply injects harmonic pollution.

THD

TOTAL HARMONIC DISTORTION

- Overheating Equipment
- Nuisance Tripping
- Utility Penalties
- Premature Failure



What Poor Power Quality Actually Costs You

These losses appear on every utility bill, every month.

Up to 35%

Demand Charges & Bill Overages

43%

More Current Than Necessary

10–20%

Transformer Capacity Consumed

15–25%

Excess I²R Conductor Losses

Introducing the **EnePro** Power Optimizer

A passive, solid-state power quality device engineered to simultaneously correct power factor, eliminate harmonics, and protect equipment from surges.

No moving parts. No firmware. No operational disruption. Measurable, permanent improvement — from day one.

ENETEC

UL & cUL Listed (File No. E551219) · IEEE 18 & IEC 60831 Compliant · CE Marked · RoHS Compliant

Power Factor Correction

Raises PF from 0.65–0.78 up to 0.92–0.98, reducing current demand and eliminating PF penalty charges.

PF 0.95+

Harmonic Mitigation

Passive capacitor topology provides low-impedance path for harmonic currents — IEEE 519-2022 compliant.

25% avg THD reduction

Surge Protection

Integrated TVSS with 10,000A fault current withstand. 5,000J (3Ø) / 2,400J (1Ø) surge absorption capacity.

5,000 Joules (3-Phase)

UL & cUL Listed

File No. E551219. IEEE 18 & IEC 60831 compliant. CE Marked for global deployment. RoHS certified.

CE · UL · CSA

Passive — No Moving Parts

Solid-state electromagnetic design. No capacitors to fail, no firmware to update. Set it, verify it, forget it.

60,000 hr MTBF

NEMA 3R Rated Enclosure

Rated for indoor and outdoor installations — rain, ice, dust, and extreme temperatures. Rooftop to data center floor.

208–600V | 50/60Hz

Built to Endure. Built to Perform.

Engineered for operationally
critical environments.

- **Passive Design** — No moving parts, no firmware
- **Fail-Open Architecture** — Facility never loses power
- **Parallel Installation** — Zero process interruption
- **NEMA 3R Rated** — Indoor and outdoor use
- **60,000 hr Rated Life** — 15-20+ years typical
- **No Subscriptions** — Pure hardware, own forever



Built for a Global Grid

208–600V

Voltage Range

50/60 Hz

Full Compatibility

5-37 kVAR Per Unit

Scalable Load Range

NEMA 3R

Indoor & Outdoor Rated

North America

Europe / UK

Middle East

Asia Pacific

Latin America

Sub-Saharan Africa

Trusted by Industry Leaders

From global QSR chains to professional sports venues and the world's most demanding industrial operators.

McDonald's

QSR — Multi-Unit Rollout

AT&T Stadium

Major League Venue

Subway

QSR — Franchise Network

Amway Center

Arena & Entertainment

Dunkin'

Retail F&B — National Program

Hampton by Hilton

Hospitality — Multi-Property

Global Oil Majors

Long-Standing Relationships — Upstream & Downstream

The ESG Case Is Undeniable

Quantifiable carbon reductions — reportable on day one.

Tons CO₂

Reduced per facility annually

GHG Protocol Scope 2 reportable

Environmental

Every kWh saved =
direct carbon reduction

Grid & Community

Reduced demand
eases grid load

Governance

Measurable energy
reduction supports
Scope 2 reporting

Regulatory

Aligned with evolving
efficiency standards

Supports facility-level ESG reporting and sustainability initiatives

ENGINEERING CREDIBILITY

The Engineering Backbone

Decades of power quality expertise.

80+

Years Combined
Experience



Stamped
Deliverables

Global Engineering Network

Credentialed partners across multiple continents



End-to-End Engineering Rigor

From first assessment to final verification report.

01

**Site
Assessment**

02

**Custom
Design**

03

**Multi-Site
Programs**

04

**Post-Install
Verification**

05

**Global Partner
Network**

Engineering-grade rigor at every step.

The Financial Case

Reduced
demand charges

Visible on first billing cycle

100% Eliminated
PF Penalties

Once PF reaches utility threshold

15–25%
Line Losses

Reduced I²R heating in conductors

Deferred
capital expenditures

Infrastructure upgrades avoided

12–24

MONTH TARGETED PAYBACK

Strong
multi-year ROI

Passive

NO CONSUMABLES. NEAR-ZERO ONGOING COST

Why Now Is Non-Negotiable

Accelerating

AI Power Surge

Annual growth in data center demand

Growing

Grid Capacity Crisis

Average utility interconnection queue time

Accelerating

Rate Acceleration

Electricity rates rising annually

IEEE 519

Tightening Mandates

Stricter THD & PF enforcement

Every month of delay is a month of avoidable cost.

The assessment is free. The savings are immediate.

End-to-End Delivery

Site Assessment

Non-invasive power quality survey — no downtime

Engineering & Proposal

PE-stamped system design + detailed financial model

Installation

Parallel install, one shift, zero business disruption

Commissioning

Metered pre/post performance verification

Reporting

Full verification report — ESG, ROI, utility rebate ready





The Floor Is Yours.

"The numbers speak for themselves. The technology is proven. The savings are real. The only question is how much your facility is leaving on the table."

Energy Technologies

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QUESTIONS WELCOME

Q: What does a site assessment involve?

Non-invasive metering — no shutdown, no disruption.

Q: How quickly do we see results?

First billing cycle after installation.

Q: What if ROI doesn't pencil out?

We tell you honestly. Our credibility is built on the real picture.