Team 2

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http://www.acpowerstabilizer.com/photo/pl2955271-residential_3_phase_500_kvar_power_factor_correction_device_system.jpg
• **Purpose of Product** – Allows consumer to avoid Power Factor (PF) penalties by correcting poor power factor.

• **Feature 1** - Corrects measured feeder PF

• **Feature 2** - Displays PF to user

• **Feature 3** - Easy installation and setup for user

• **Market:** To be sold in the USA only!
Key Requirements

- **Cost**
  - Sales Price: $3,000
  - Component Cost: $800
  - Assembly & Test Costs: $1,540

- **Environment**
  - Indoor.
  - Operating Temp Range: (-20°C to 40°C)
  - Operating Humidity Range: (0% to 100% non condensing)

- **Power Input(s)**
  - Commercial AC Power: 408 – 528 VAC @ 600 Amps Max
  - Building AC power: 120VAC @15 Amps Max

- **Major Functions, Quantities Measured, Displayed**
  - *Quantity Examples*: Power Factor
    - Corrects to 0.95 +/- 5%