

EVONERGIE

EVAR

MODULAR SERIES



1st

variable modular
system of a
capacitor bank

Lower
your
energy
bill by

20%

and
reduce your
environmental
footprint

STOP WASTING YOUR ENERGY



Power Factor Correction is the process of maximizing the efficiency of an electrical network to deliver the most possible power.

Installing our **EVAR modular series** means reducing electricity consumption throughout your power network, bringing significant cost savings and substantial environmental benefits.

In addition, **EVAR** also provides:

REAL-TIME COMPENSATION

- Risks of overcompensation avoided while ensuring functional autonomy

SAFETY

- In the case of defects of the network or equipment, this will be indicated by an alarm on the display panel and the panel.

FLEXIBILITY

- Different customized options are available. (Master/Secondary Box Models – 30 kvar, 45 kvar, 60 kvar, 75 kvar and 90 kvar)
- Ability to add even more extensions at lower prices

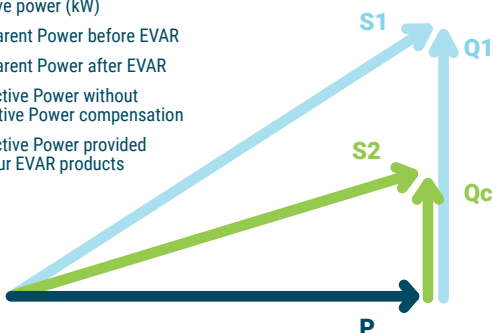
COMPACT DESIGN

- Less space required than existing capacitor

OUTSTANDING RESULTS

Sample Calculation

- P** Active power (kW)
S1 Apparent Power before EVAR
S2 Apparent Power after EVAR
Q1 Reactive Power without reactive Power compensation
Qc Reactive Power provided by our EVAR products



Example

The initial consumption per month
S1=150 kVA with **PF=0.79**

We install Evar system 45kVar to increase **PF at 0.93**

After compensation, the final consumption
S2=127.4kVA



Economic return:

S2-S1=22.6kVA

Penalty cost-saving:

\$237.11/month

More Options

Add Inductance Box to be used as a harmonic filter, depending on the client's need.

- Fast switching: optional solid-state relay (SSR) that can react in 1 to 2 seconds. Silent contactors
- Remote communication using USB key or Wi-Fi with your PC

A FLEXIBLE SOLUTION

Modular concept

We bring you a modular concept that evolves along with your company:

30kvar → 60kvar or 75kvar

45kvar → 75kvar or 90kvar

EVAR allows a 30kvar or a 45kvar to become a 60kvar, 75kvar or 90kvar, **just by adding a new module.**

THE WHOLE PACKAGE

Services included



Free evaluation

Full feasibility and profitability studies at no charge



Turnkey project



Data records



5-year warranty



Post installation
follow-up



Engineering
consulting services



Innovation and performance

We offer a complete range of products and services to help enhance the quality of energy and power efficiency of industrial, commercial and institutional companies.

- Power-factor correction
- Significant power reduction
- Prevention of overvoltage damage
- Increase in lifetime of motors and equipment by reducing excessive temperature rise due to reactive power losses
- Timely returns on investment



Call us now:

+1 418 614-2044



TRIED AND TESTED



St-Grégoire, Île-Perrot,
St-Gabriel de Brandon,
et plus...



CERTIFIED QUALITY

Our **EVAR** modular series is certified as being approved by RoHS, CETL and CUL.



PowerQ is member of Greener Canada, AQME and the Chamber of Commerce.



EVONERGIE



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