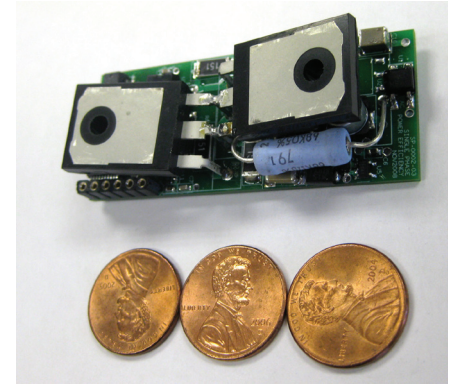




E-SAVE
TECHNOLOGY

Single Phase Product

Power Efficiency Corporation is a green energy company focused on efficiency technologies for electric motors. The Company has developed a patented and patent-pending technology platform, called E-Save Technology®, which has been demonstrated in independent testing to improve the efficiency of electric motors by 15-35% in appropriate constant speed applications. Electric motors consume over 25% of the electricity in the U.S. and many operate inefficiently. Power Efficiency has been using this technology in 3 phase motor applications for several years and is currently working with several OEMs in the escalator, mining/aggregate and plastics markets.



Recently, Power Efficiency has enhanced this technology to work with single phase motors, which are typically found in appliances. Since single phase motors are inherently inefficient relative to three phase motors, E-Save Technology provides a larger percentage savings when used with single phase motors. E-Save Technology saves energy by using the phase lag of the motor and patented algorithms to calculate the load of the motor and the optimal amount of power required by the motor without changing the motor speed. The energy savings will increase with lighter loads with energy savings typically starting at around 80% load.

Testing on various different manufactures, types and sizes of single phase motors has resulted in savings from 10% – 20% at 60% of load to over 50% at no load. In independent testing by Advanced Energy, E-Save Technology was found to save up to 58% of the kW used in single phase AC motors. Furthermore, testing with E-Save Technology on clothes washers and dryers has resulted in energy savings of 10% to 30%. In addition to energy savings, the technology soft starts the motor, which reduces inrush currents when the motor starts, and will also reduce the amount of heat generated by the motor.

Summary of Potential Benefits of E-Save Technology:

- Provides appliance OEMs with dynamically efficient motors that are more efficient across the spectrum of operation. (Provides additional savings over a run capacitor)
- Another means for OEMs to meet Energy Star requirements or produce more energy efficient products.
- Smaller than a business card, and can be even smaller if integrated into an existing OEM's design.
- The patented technology, which is not a Nola Technology, can also be licensed to an OEM.
- Can reduce cost of the motors used by an OEM since it would allow the OEMs to purchase less costly and efficient motors and then use the technology to make the motors more efficient.
- Cost under \$10 in volume and can be significantly less if integrated into an appliance.

With E-Save Technology, every single phase motor would be electronically adjusted to its optimum level of efficiency on every application. In addition, several utilities are currently providing rebates and incentive financing for E-Save Technology.