

# Verified Idle-Reduction Technologies

## Accessory Drives for Class 8 Trucks

**Nobody knows low voltage brushless accessory drives better than eCycle.** It's no secret that removing parasitic loads from the engine saves fuel and reduces emissions. As the industry leading manufacturer of high efficiency brushless motors, eCycle makes it easy to integrate EPA verified idle reduction technologies. Whether you are an OEM, installation shop or an individual seeking efficient, battery-powered accessory drives, we have the expertise to deliver the best solution at a competitive price.



### Battery Air-Conditioning

Designed and tested for aerospace applications, eCycle's state-of-the-art brushless DC compressor drives are available for transportation applications. Engineered to exact specifications for aircraft, eCycle's compressor drives deliver exceptional performance, efficiency and reliability in a rugged, lightweight package.



### Hybrid Supercharger

The hybrid supercharger is a practical bolt-on machine that increases efficiency and performance, while reducing emissions on a variety of engines in automotive, mass transit, truck and marine platforms. Unlike conventional belt driven superchargers, the Hybrid Supercharger is driven by a SolidSlot™ that delivers instant boost, independent of engine rpm.



### Hydraulic Power Units

Brushless motors enable vastly improved hydraulic systems, with high efficiency, reduced mass and operating cost, as well as greater performance, flexibility and reliability. eCycle achieves performance and efficiency by close coupling the innovative SolidSlot™ brushless motor to a high efficiency hydraulic pump. This eliminates several components traditionally associated with DC power units, while delivering increased system performance and efficiency.



### SolidSlot™ Brushless Motor Technology

**The technology behind eCycle's accessory drives** is the three-phase SolidSlot brushless motor/generator. The SolidSlot utilizes solid bars of aluminum instead of traditional copper windings. This construction increases power density, delivers higher efficiency and decreases mass and cost

### For more information contact: