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**eCycle, Inc. Introduces *CMG Silicon Series brushless motor*
*that will offer many industries a new level of performance***

Temple, PA – eCycle recently announced that a new brushless motor has been added to its product line. The *CMG Silicon Series* motor, with an integrated electronic commutator, can be operated much like a conventional DC motor, including that it can be operated directly from a battery or in conjunction with a DC controller.

A brushless motor drive typically consists of two parts – the motor and the amplifier. “eCycle integrated the essential electronics with the motor”, said Dan Sodomsky, President and Chief Executive Officer. “This approach enables our motor to utilize an industry-standard DC controller. The result is a brushless motor that operates with the simplicity of a DC motor.”

According to Sodomsky, eCycle uses the latest in semiconductors and other components, resulting in a vastly superior product. eCycle’s *CMG Silicon Series* motor will raise industry standards in both performance and overall system cost, he said. For example, the motor accommodates both the IEC80 and 4F17 hydraulic pump mounting flange standards. Additionally, a wide range of shaft and bearing options are available.

“The *CMG Silicon Series* motors deliver tremendously improved performance over conventional DC motors,” said Michael Sharer, Vice President of Marketing. “Customers can realize all the benefits of a brushless motor, with the ease of use generally associated with a DC motor. The same performance is often provided by *Silicon Series* motors using only 1/3 the current. Further, eCycle brushless motors are typically only 1/5 the size of comparable DC motors,” he explained. “Battery powered applications benefit from both high efficiency and the solid state electronics, which eliminate costly parts such as relays and contactors,” he added.

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eCycle's brushless CMG *Silicon Series*

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The CMG *Silicon Series* motor can support a broad range of applications. Some of these include hydraulic power units, robotics, marine propulsion, integrated starter/alternators, engine-generator sets, large centrifugal pumps and power generation/co-generation .

Silicon Series motors feature:

- 12/24VDC - 240A
- 36VDC – 170A
- 48VDC – 140A
- 72VDC – 100A
- May be operated directly from battery or with industry-standard DC controllers (with appropriate external inductor)
- Weight: 14lbs.; Dimensions: 7 7/8" diameter x 5" long
- Integrated electronics consisting of high current commutator
- Broad applicability over a wide range of commercial, consumer, industrial and military applications

Silicon Series motors are currently available. For more information visit www.ecycle.com.

Editor's Note: Photos are available in electronic format. Please email Michael Sharer at msharer@ecycle.com with specifications.

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