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## PRESS RELEASE

### NEW SUNON Super Green Fan - "Super Energy-saving" & "Super Stable"

As the whole world searches for high-efficiency and low power consumption thermal systems, Sunon has developed the latest generation of the 40\*40\*28mm Super Green Fan (SG4028). With its original, cutting-edge design, featuring high-efficiency, low power consumption, low vibration and low noise, the Super Green Fan is a dream come true for the server and telecom industries and is available now from G. English Electronics Ltd (Gelec).

Dedicated to low energy use, Sunon's revolutionary sealed-motor technology successfully raises the airflow and increases the air volume by 10%. Compared to other products with similar rotation speed, the Sunon Super Green Fan consumes nearly 50% less power than its predecessors, meeting the eco demands for high-efficiency and low power consumption.

Its excellent sealed-motor is protected by EMC and EMI and meets Class B requirements. With a perfectly matched high-efficiency motor and unique impeller blades, the Super Green Fan significantly reduces vibration within the system, lowers fan vibration up to 38%, and prolongs the lifespan of both the fan and the entire system.

As the world goes green, Gelec are committed to providing optimal solutions for low costs, high efficiency, and low energy consumption. By successfully launching the Super Green Fan, Gelec attempts to lead its clients to the forefront of the green wave.



**Visit Gelec at Stand No: F7 at the Southern Manufacturing & Electronics Exhibition, FIVE, Farnborough from 10-11 February to see a demonstration of the revolutionary new SUNON Super Green Fan.**



**SG Design 1: Use of 3-phase Energy-saving Motor → Increases Motor Efficiency**

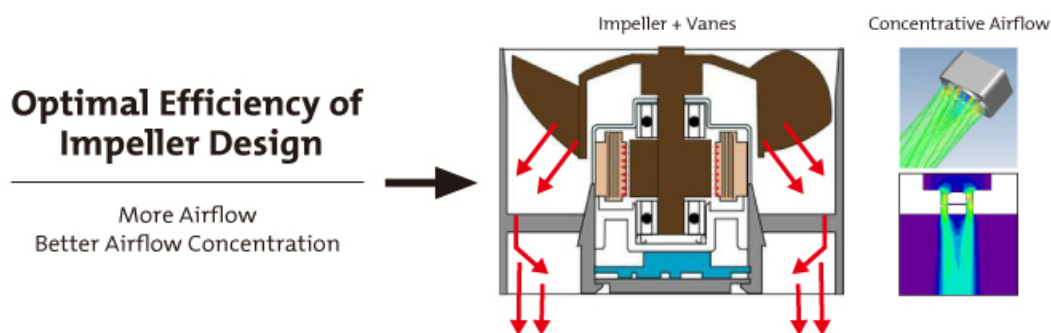
The Super Green Fan is powered by a Sunon patented motor, which has the characteristics of a 3-phase motor: low energy consumption, high torque, and low vibration. The motor can efficiently decrease energy consumption of the cooling system. When the motor has low energy consumption and low temperature, its life is correspondingly increased, which in turn prolongs the life cycle of the system.

**SG Design 2: Patented Inner Rotor Motor → High Operation Stability**

An inner rotor motor design is employed to secure the fan’s permanent magnet on the outside of the shaft. This special structural design allows the rotor to operate with a lower rotating mass because less parts are used and thus weight is reduced. The special low-weight fan design can effectively reduce the load during operation. High operation stability can decrease both vibration impact to the system as well as the noise produced during fan operation and hence achieve superior performance of low vibration and low noise.

**SG Design 3: Optimal Efficient Blade Design → Increases Air Flow Channel & PQ Performance**

The optimal channel and guide structure are accurately evaluated to design the most efficient fan blade according to fluid dynamics principles. By decreasing fan motor and increasing the blade area to create more airflow and centralized air flow, the fan’s overall cooling efficiency is significantly improved to create maximum value.



**SG Design 4: Sealed Motor Structure → Reinforces Water/Dust Resistance & EMI Protection**

Superior sealed-motor structure offers higher airflow and static pressure to satisfy the cooling need of multiple server clusters and communication equipment, and at the same time reduces noise produced during operation. In addition to preventing EMI and reinforcing protection of precision equipment, this design also has excellent water and dust resistance.

**SG Design 5: Superior Bearing Temperature Conduction Design → Prolongs Fan Life**

Innovative, patented inner rotor structure can conduct the bearing’s accumulated temperature away from the sealed bearings and through the metal motor case, where it can then be cooled by air convection. This dramatically increases cooling efficiency and prolongs the life of bearing and fan. For equipment that operates 24-hours a day, the Super Green Fan bearing temperature conduction design can prolong the system’s life.