



**Synergistic Technology
Solutions, Inc.**

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New AC-DC Power Modules from Synergistic Technology Solutions Shrink Board Space and Design Time

Ultra-Small Footprint BlueCube™ Modules Deliver Ready-to-Use Power Conversion to 5 Watts

VERNON HILLS, Ill.--(BUSINESS WIRE)--Synergistic Technology Solutions (STS), an innovator of cost-effective, energy-efficient power conversion solutions, today introduced a new family of compact board mount AC-DC converters that reduce board space while providing regulated and fault-protected power up to 5 W. The new **BlueCube** power module family, the company's first standard product offering, is available in two series, the LX3i (3 W) and LX5i (5 W). They offer engineers an immediate drop-in AC-DC solution with the industry's smallest footprint (1.80 x 0.92 inches) and require no additional external components.

All BlueCube modules operate over a wide input voltage range (85-265VAC) and offer outputs of 5, 9, 12, 15 or 24 VDC. They meet worldwide energy efficiency specifications including ENERGY STAR and California's CEC standard for external power supplies. The fully isolated and encapsulated BlueCube converters are well suited for a variety of AC-DC power applications including powering remote and networked sensors, IR receivers, audio, video, security, building automation, power-line carrier, relay drivers, test equipment, AC power adapters, and bias supplies. The product is also ideal for providing standby mode power in consumer electronics and appliances, providing power to system clocks, processors, membrane keypads, IR remote receivers and LED lighting panels.

BlueCube modules are fully potted to withstand the harsh environment of industrial applications and are completely fault-protected with integrated over-voltage, over-current, short-circuit and over temperature protection circuitry. The modules are RoHS / lead-free compliant, UL/CSA recognized and FCC certified for EMI.

"BlueCube's small size belies its many built-in features," stated John Olliver, vice president of sales at STS. "For design applications requiring energy efficiency in a minimal PCB footprint, BlueCube's small form factor offers a highly compact ready-to-use solution. Engineers can literally drop the power supply modules into their circuit board without spending time worrying about adding external components to solve the usual power conversion issues such as EMI, safety or energy efficiency," he added.

The modules are available in two package options; traditional PCB pin-out for onboard applications or a flying wire-out option for greater off-board mounting flexibility. Pricing for the 3 W rated LX3i modules is \$4.28 each in 10,000 piece quantities, while pricing for the 5 W rated LX5i modules is \$4.93 each in the same quantity. All modules are available for immediate delivery. Complete documentation for the BlueCube family is available from the STS web site at <http://www.sts-power.com/Products.html>

About Synergistic Technology Solutions

Synergistic Technology Solutions, Inc. designs and manufactures high performance, cost optimized AC-DC power conversion solutions for the consumer, appliance, industrial and network communication markets. With operations in the US and China, the company offers standard and customer-specific power supplies that address a wide spectrum of unique application requirements. For more information, visit the STS website at <http://www.sts-power.com/>

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