

FOR IMMEDIATE RELEASE

Evolved High Voltage – SPS Series, Digital High Voltage Power Supplies

February 25, 2020 – Addison, TX - Dean Technology, Inc. today announced the introduction of its new SPS series of digital high voltage power supplies. These are the first products available using the company's patented technology developed through years of research that drastically improves the performance and capability of high voltage power supplies. The SPS series provide output from positive or negative 250 volts to 6,000 volts at 4, 20, or 30 watts, and have the ability to configure or customize performance and features through software. Remote monitoring and control as well as expandable functionality are standard on all models.

DTI's patented digital high voltage technology represents an overall evolution in the approach to power supply design. By using a fully digital control loop, power supplies can adjust performance based on configurable variables, through communication with remote systems, and based on reactions to conditions monitored while running. The features and electrical performance can be configured and customized through changes to loaded information or simple software modifications. Many aspects of the operational conditions can be monitored remotely and controlled through the same connection. The power supplies constantly log essential information while running that can be used while designing, or to troubleshoot problems that may occur to systems in the field, and there are multiple expansion opportunities using bidirectional signals on available general-purpose input output (GPIO) pins.

All of this capability produces power supplies with unparalleled flexibility. By modifying the performance and features of the standard hardware through software, custom solutions can be realized without hardware spins, or lengthy certification cycles. High voltage designs tailored to exact customer needs can be developed on software timelines, and final configurations can be preloaded and tuned at the factory to make installation in end systems seamless.

The SPS series covers the most commonly used voltage and power ranges for standard high voltage power supplies with 4-, 20- and 30-watt models ranging from 250 volts to 6,000 volts, both positive and negative outputs. The series overall performance and efficiency meet or exceed current standard competitive offerings, and with all of the added benefits of the digital design offer an amazing value in both size and cost. Hardware options are available for commonly required mounting and connection preferences, and all have UL and CE certification for all configurations.

“I could not be more excited about the introduction of our new SPS power supplies,” said Craig Dean CEO of Dean Technology, Inc. “These products will give customers the first opportunity to see how much easier designs using high voltage can be. This is going to change the industry, and we have so much more to come. The options are literally endless, and we’re excited to learn what our customers end up doing with this incredibly capable series of products.”

To support designers interested in the SPS series, a Windows Application is freely available to simplify connection, configuration and monitoring along with a full Software Development Kit (SDK) that provides all libraries and documentation needed to perform end system integration. DTI also offers engineering design services to help with customization of software, hardware, and any other aspect that might be required.

All models of the SPS series are readily available, and more information about the patented technology and the SPS series is available on the company’s website at www.deantechnology.com. Customers interested in starting to design with digital high voltage power supplies should contact the company immediately to learn more.

About Dean Technology, Inc.

Dean Technology, Inc. (www.deantechnology.com) is an ISO 9001:2015 certified company that specializes in the manufacture, distribution and support of high voltage components, assemblies and power supplies. Its three main product lines include HV Component Associates (HVCA), CKE, and High Voltage Power Solutions (HVPSI). The HVCA line of products centers on high voltage diodes, rectifiers, bridge rectifiers, ceramic disk capacitors, and custom assemblies for specific applications. CKE products are a leading line of high voltage and high power silicon rectifiers, MOVs, selenium suppressors, silicon carbide varistors, as well as custom assemblies. The HVPSI product line includes high voltage power supplies, multipliers and test equipment. Dean Technology’s full family of products provides complete coverage of high voltage and high current solutions for any application. For sales and technical information Dean Technology can be reached at +1.972.248.7691.

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