

## Power Supply Product

# Programmable Power Supply Series Extends to 800W 650V Output

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November 2014

TDK Corporation announces the introduction of 800W high voltage models to TDK-Lambda's Z+ series of programmable DC power supplies. The series is now available with output voltages of 0-10, 0-20, 0-36, 0-60, 0-160, 0-320 and 0-650VDC with output powers of 200 to 800W. These higher voltages address the requirements for applications such as deposition processes, remotely operated underwater vehicles, ATE systems as well as general laboratory and industrial use.

Carrying a 5-year warranty, the TDK-Lambda Z+ 800W high voltage models have the same features and compact dimensions (2U high and 2.76" wide) as the existing models and achieve efficiencies of up to 89%. The units can operate in either constant current or constant voltage modes and accept a universal 85-265VAC input. Up to 6 units can be connected in parallel (master-slave configuration), or 2 identical units in series with external diodes.

All models can be programmed via the front panel controls or remotely using the USB, RS232/485 or analog control interfaces. Optional LAN, GPIB (IEEE488) and isolated analog programming interfaces are also available.

CE marked for the EMC, Low Voltage, and RoHS Directives, the Z+ series conforms to EN55022/EN55024 as well as IEC/EN61326-1 for conducted (FCC part-15-B) and radiated (FCC part-15-A) EMI. Safety certifications include UL/EN/IEC61010-1 and the series is designed to meet UL/EN60950-1.

More information can be obtained at the following TDK-Lambda Americas website, <http://www.us.tdk-lambda.com/lp/products/zplus-series.htm>, or by calling 800-LAMBDA-4. Product availability for the Z+ Series can be found via the link to TDK-Lambda's distributor network (see "Check Distributor Stock to Buy") at <http://www.us.tdk-lambda.com/lp/>.

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### Major applications

Deposition processes, remotely operated underwater vehicles (ROV), ATE systems and general laboratory / industrial use

### Main features and benefits

- Built in analog, USB and RS232/485 interfaces
- Optional LAN, GPIB and isolated analog programming
- Bench or rack mount
- Constant current or voltage operation

## Major specifications

Model		Z+ High Voltage		
Input voltage range	Vac	85 to 265Vac		
Output voltage range	Vdc	0 - 160V	0 - 320V	0 - 650V
Output current range	A	0 – 5A	0 – 2.5A	0 – 1.25A
Output power	W	800W		
Mounting type	-	Bench or rack mount		
Size (L x W x H)	mm	Standard body: 83 (2U) x 70 x 350mm Wide body : 83 (2U) x 105 x 350mm		

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### About TDK Corporation

TDK Corporation is a leading electronics company based in Tokyo, Japan. It was established in 1935 to commercialize ferrite, a key material in electronic and magnetic products. TDK's portfolio includes electronic components, modules and systems\* which are marketed under the product brands TDK and EPCOS, power supplies, magnetic application products as well as energy devices, flash memory application devices, and others. TDK focuses on demanding markets in the areas of information and communication technology and consumer, automotive and industrial electronics. The company has a network of design and manufacturing locations and sales offices in Asia, Europe, and in North and South America. In fiscal 2014, TDK posted total sales of USD 9.6 billion and employed about 83,000 people worldwide.

\* The product portfolio includes ceramic, aluminum electrolytic and film capacitors, ferrites, inductors, high-frequency components such as surface acoustic wave (SAW) filter products and modules, piezo and protection components, and sensors.

### About TDK-Lambda Corporation

TDK-Lambda Corporation, a group company of TDK Corporation, is a leading global power supply company providing highly reliable power supplies for industrial equipment worldwide. TDK-Lambda Corporation meets the various needs of customers with our entire range of activities, from research and development through to manufacturing, sales, and service with bases in five key areas, covering Japan, Europe, America, China, and Asia.

For more details, please pay a visit to <http://www.tdk-lambda.com/>

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