

## Power Supply Product

# Intelligent Auto-Tuning 60A POL Converter has PMBus Communication

---

May 2014

TDK Corporation announces the introduction of the 60 Ampere TDK-Lambda iJB series of POL (Point of Load) DC-DC converters. Featuring intelligent auto-tuning technology, these converters provide better dynamic performance, improved system stability and extremely accurate current read-back.

Operating from an 8 to 14VDC input, the iJB series can provide output voltages of 0.6 to 2V, with a precision set point accuracy of 0.5%. The series is designed to meet a wide range of applications, including servers, routers and other Information & Communication Technology (ICT) equipment, semiconductor manufacturing equipment, measuring equipment and general industrial equipment.

The surface mount converters occupy only one square inch of board space, representing an industry-leading current density. Optimization of components using digital control enables high current output in high temperature environments.

The PMBus functionality of the converter provides real-time monitoring of voltage, current and temperature, and allows full programmability of the iJB parameters. Function setting pins makes them easy to use in applications where PMBus communication is not implemented, including parallel operation. A GUI (Graphical User Interface) is available for development support.

More information can be obtained at the following TDK-Lambda Americas website, <http://www.us.tdk-lambda.com/lp/products/ijb-series.htm>, or by calling 800-LAMBDA-4. Product availability for the iJB converters 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/>.

-----

### Major applications

Servers, routers and other ICT equipment, semiconductor manufacturing equipment, measuring equipment and general industrial equipment

### Main features and benefits

- High efficiency (Up to 93%)
- Parallel operation for higher currents (Up to 100A)
- PMBus communication for real time monitoring
- Digital control for highly accurate voltage setting (+/-0.5%)
- Auto-tuning technology for better dynamic performance and system stability

## Major specifications

Model		iJB12060A006V
Input voltage range	Vdc	8 to 14V
Output voltage range	Vdc	0.6 to 2V
Maximum output power	W	120W
Efficiency (2V output)	%	93%
Mounting type	-	Surface Mount
Size (L x W x H)	mm	26.8 x 24.1 x 9.7

-----

## 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/>

-----

## Contacts for regional media

Region	Contact	Phone	Mail
Americas	David Norton TDK-Lambda Americas	(619) 575 4400	<a href="mailto:david.norton@us.tdk-lambda.com">david.norton@us.tdk-lambda.com</a>