



## For Immediate Release

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## **TDK Develops Isolated DC-DC Converters for Industrial Applications**

*Series features 15W & 30W converters, with compact dimensions & high efficiency*

**Mount Prospect, IL, April 10, 2008—TDK Corporation** announced today that it has developed a new series of isolated DC-DC converters for industrial applications.

The CC-P-E Series is comprised of 64 products rated for 15W or 30W, with mass production under the **TDK-Lambda** brand name to begin in Japan this July.

TDK developed this series to meet the evolving needs of industrial equipment markets, such as factory automation systems, computers and various communications devices, which are becoming increasingly complex and operating at ever higher speeds.

The use of TDK's proprietary low-loss ferrite core material ensures high efficiency of operation. Compared to our previous products, power conversion efficiency has been improved by two percent, while mounting space requirements are about 6 percent less for the 15W types and as much as 32 percent less for the 30W types (including DIP types, SMD types, and high isolation voltage types without cover).

This new series supports the trend towards increased current consumption of circuit boards, while on the other hand there is a need for electronic components to be mounted on smaller surfaces and to provide further improved functionality and performance. DC-DC converters which step up or step down voltages to the levels required by the circuitry are vital components in this regard. Important design goals here are not only reduced weight and smaller dimensions, but also high efficiency operation that contributes towards saving energy.

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To meet the needs of the market, TDK has been pursuing the development of more compact DC-DC converters that still offer high performance and high efficiency. The resulting new series of converters represents an upgrade of our existing products, with added functions including:

- Parallel operation support
- Output overvoltage protection
- Output low-voltage protection
- Output overcurrent protection
- Output overvoltage alarm
- Simultaneous startup and startup delay function
- Remote on/off function

### Product Lineup

| Series part number | Output power | Input voltage | Output voltage |
|--------------------|--------------|---------------|----------------|
| CC15-2403SxP-E     | 15W          | 24V           | 3.3V           |
| CC15-2405SxP-E     |              |               | 5V             |
| CC15-2412SxP-E     |              |               | 12V            |
| CC15-2415SxP-E     |              |               | 15V            |
| CC15-4803SxP-E     |              | 48V           | 3.3V           |
| CC15-4805SxP-E     |              |               | 5V             |
| CC15-4812SxP-E     |              |               | 12V            |
| CC15-4815SxP-E     |              |               | 15V            |
| CC30-2403SxP-E     | 30W          | 24V           | 3.3V           |
| CC30-2405SxP-E     |              |               | 5V             |
| CC30-2412SxP-E     |              |               | 12V            |
| CC30-2415SxP-E     |              |               | 15V            |
| CC30-4803SxP-E     |              | 48V           | 3.3V           |
| CC30-4805SxP-E     |              |               | 5V             |
| CC30-4812SxP-E     |              |               | 12V            |
| CC30-4815SxP-E     |              |               | 15V            |

\* "x" in part number stands for symbol indicating pin configuration (F: DIP type, R: SMD type).

\* High isolation voltage types (without cover) are available as options. ("P" in part number is replaced by "H".)

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**About TDK Corporation**

*TDK Corporation (NYSE: TDK) is a leading global electronics company based in Japan. It was established in 1935 to commercialize "ferrite," a key material in electronics and magnetics. TDK's current product line includes ferrite materials, electronic components, wireless computer networking products, magnetic heads for HDD, and advanced digital recording media. For more information about TDK, please visit <http://www.tdk.com> or <http://www.tdk.co.jp>.*

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