

## Power Supply Product **7-Year Warranty 1000W and 1500W Power Supplies Receive Medical Safety Certifications**

November 2017

TDK Corporation announces the introduction of the RWS1000B and RWS1500B “ME” medical AC-DC power supplies designed to provide solid performance at an economical price. In addition to the industrial models, the RWS-B series now includes 1000W and 1500W power levels certified to the medical IEC 60601-1 standard. The 7-year warranty RWS-B series is ideally suited for medical, cosmetic laser treatment and analysis equipment requiring less than 300 $\mu$ A earth leakage current.

The 1000W and 1500W additions are available with 12, 15, 24, 36 and 48V outputs, adjustable up to -15/+15% of nominal. All models accept an 85 to 265Vac input and can operate at full load in -20 to +50°C ambient temperatures, derating linearly to 60% load from +50°C to +60°C. High operating efficiencies of up to 88% reduce internal waste heat and component temperatures, resulting in electrolytic capacitor service life predictions of at least ten years.

To facilitate safe and easy installation, output cable connections are made to screw terminal blocks with covers rather than bus bars. The terminal block can also be quickly configured for either a vertical or horizontal wiring orientation. The RWS1000B/ME measures 127 x 63 x 198mm and the RWS1500B/ME 127 x 63 x 261mm.

The TDK-Lambda RWS-B 1000 and 1500W “ME” models are certified to the safety standards of IEC/ES/CSA/EN 60601-1 and are CE marked according to the Low Voltage and RoHS2 Directives. Input to output isolation is 4,000Vac (2 x MoPP), input to ground 2,000Vac (1 x MoPP) and 1,500Vac output to ground (1 x MoPP) for suitability with B and BF rated equipment. All models offer conducted and radiated performance to EN55011/EN55032, meet EN 61000-3-2 harmonics and EN 60601-1-2 (Edition 4) immunity standards.

More information can be obtained at the following TDK-Lambda Americas webpage, <http://us.tdk-lambda.com/lp/products/rwsb-series.htm>, or by calling 800-LAMBDA-4. Product availability for all the RWS-B power supplies can be found via the link to TDK-Lambda’s distributor network (see “Check Distributor Stock”) at <http://www.us.tdk-lambda.com/lp/>.

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### **Major applications**

Medical, cosmetic laser treatment and analysis equipment requiring less than 300 $\mu$ A earth leakage current

## Main features and benefits

- Seven year warranty
- IEC 60601-1 safety certification
- Compact case sizes
- Cost effective
- Long service life (conservative electrolytic capacitor ratings)

## Major specifications

Model		RWS1000B	RWS1500B
Input voltage range	Vac	85 – 265Vac	
Output voltages	Vdc	12, 15, 24, 36 and 48V	
Output power	W	1005 - 1008W	1500 - 1536W
Safety Certifications	-	IEC / ES / CSA / EN 60601-1	
Size (W x L x H)	mm	127 x 63 x 198 mm	127 x 63 x 261 mm
Warranty	-	Seven years	

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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 passive components, such as ceramic, aluminum electrolytic and film capacitors, ferrites and inductors, high-frequency products, and piezo and protection components, as well as sensors and sensor systems and power supplies. These products are marketed under the product brands TDK, EPCOS, Micronas, Tronics and TDK-Lambda. TDK's further main product groups include magnetic application products, energy devices, and flash memory application devices. TDK focuses on demanding markets in the areas of information and communication technology and automotive, industrial and consumer 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 2017, TDK posted total sales of USD 10.5 billion and employed about 100,000 people worldwide.

## 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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