

LATEST 500W SINGLE OUTPUT POWER SUPPLY FROM TDK-LAMBDA

Following the successful launch of our GWS250 ac-dc power supply, TDK-Lambda Singapore is pleased to announce the next higher power series, GWS500. This is a 500W ac-dc power supply that achieves up to 90% efficiency, dramatically cutting the heat generated in industrial, traffic controls, automated service, kiosks, test & measurement, LED, display & signage, IT and entertainment system applications.

This power supply delivers full output power with forced air cooling over input voltages from 85 to 264Vac (47-63Hz) or 120-373Vdc, at ambient temperatures of -25 to +70°C (output power derate from +50°C) and can withstand a 300Vac surge for 5 seconds. It measures only 218 x 105 x 41mm, which makes it the smallest product in its class and well suited for fitting into 1U enclosures. Where short-term peak power is needed, for example for motor start-up, the power supply can deliver up to 600W for 10 seconds (for 24V & 36V output).

The unit has features that control the output voltage and provide monitoring signal. This includes a 5V/300mA standby rail, remote on/off signal, programmable output voltage, remote sensing and power fail signals. Over current with hiccup mode (for 5~12V) and constant current limiting (for 24V~48V), over voltage, over temperature protection are standard features as well as remote ON/OFF signal. Standby power draws less than 0.5W and average active efficiency above ErP requirements (2009/125/EC) for 12V~48V series.

Nominal output voltages range from 5 to 48Vdc, delivering currents of up to 80A (for 5V). To accommodate non-standard system voltages, the GWS500 is user adjustable either by using manual adjustment via the built-in variable resistor (VR) or injecting an external programmable voltage (PV). Series operation is also possible.

GWS500 is UL/EN/IEC 60950-1 safety approved (2nd edition) and carry the CE mark. All models meet EN61000-4-2, -3, -4, -5, -6, -8, -11 immunity standards and also harmonic correction standards. With a MTBF of over 120K hours, per MIL-HDBK-217F (25°C) standard, the GWS Series comes with a five-year warranty.

For more information, please contact TDK-Lambda Singapore directly at +65 6251 7211 or visit our website at: www.tdk-lambda.com.sg

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Editor's Notes:

TDK-Lambda is a subsidiary of the TDK Corporation (NYSE: TDK), a leading global electronics company (www.tdk.com).

TDK-Lambda has been a major provider of power solutions for over 60 years. The company designs and manufactures a wide range of AC-DC and DC-DC power products for Industrial, Medical, Telecom, Datacom, and Test & Measurement applications worldwide.

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Keywords:

Power supplies; ac-dc power supplies; dc-dc power supplies; dc-dc converters; Din-Rail power supplies; Laboratory power supplies , digital power supplies



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