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## **Cosel expands TUNS Series of Board Level AC-DC Power Supplies to 700W models**

Cosel Co. Ltd. has announced that the TUNS Series of board level AC-DC power supplies has been expanded to 700W models. The product line up now includes 50W, 100W, 300W, 500W and 700 W AC/DC modules. All wattages are available now for shipment.

The TUNS series is a universal input, PFC front end with DC-DC converter combined into a single module. The TUNS series is ideal for conduction cooling applications where forced air cannot be provided. The TUNS700 is compact and standard full brick size and require minimal board space.

The TUNS700 is available in output voltages of 12, 28 and 48VDC and can be trimmed up to +/- 20% using an external resistor. Remote Sensing is standard. A parallel operation option is available for the TUNS700. The TUNS700 achieves high efficiency, up to 90%, utilizing digital assist control with a built-in micro-processor. The TUNS700 have a function of Inverter Operation Monitor that can be used to monitor the condition of the inverter which is the heart of the power supply. By monitoring the inverter one determines the condition of the power supply and alert the user to any potential problems.

The TUNS Series operates on input voltages of 85 to 264 VAC 50/60 Hz with PFC up to .96. Harmonic Attenuation complies with IEC61000-3-2 Class A.

The TUNS700 Series can operate up to 100°C with derating at the base plate. The series will also operate down to -40C. The TUNS series is standard with built-in over current protection, over voltage protection and thermal protection.

Safety approvals include UL60950, C-UL, CE and EN60950-1. The TUNS Series is also RoHS compliant. The TUNS series has 5 year warranty and high reliability.

TU series is a great solution for applications requiring compact size, high efficiency, and high reliability. Applications that require silent operation (no fan) or in sealed equipment are ideal for the TUNS Series. Typical applications are Telecom, Semi-conductor Manufacturing Equipment, Networks, RF, Broadcasting Equipment, Medical, Military, and displays. The TUNS Series is also ideal for applications with high or very low ambient operating temperatures.

TUNS700 Standard feature include

- 1, Industrial standard full Brick size
- 2, Digitally assisted control by micro-computer
- 3, Built-in overcurrent, overvoltage, and thermal protection
- 4, IOG alarm
- 5, Adjustable output voltage range  $\pm 20\%$
- 6, Remote sensing
- 7, Parallel operation (optional)
- 8, Remote on/off (optional)
- 9, 5 year Warranty

Safety approval

UL60950-1, C-UL, EN60950-1

Standard distributor cost

\$143.00



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