

## Power Supply for CompactPCI Systems



Tracewell Power introduces the TTX Series of power supplies. The series includes a 400 watt 3U, 1-slot power supply and a 700 watt 6U, 1-slot model for CompactPCI systems. Providing high-density, high-efficiency and reliability all within 1-slot (4HP), the supply operates full power at 60°C, 400 lfm with an 87% efficiency. The design is based on a proprietary topology featuring a configurable Control Unit and I2C options.

TTX Series are available in the following models: A 48 V DC input, 400 W, 3U, 1-slot with outputs of (5 V @ 35 A), (3.3 V @ 45 A), (12 V @ 5 A) and (-12 V @ 1.5 A). A 48 V DC input, 700 W, 6 U, 1-slot with outputs of (5 V @ 60 A), (3.3 V @ 90 A), (12 V @ 7.5 A) and (-12 V @ 1.5 A).

The new topology is an isolated, fixed 500 kHz switching frequency that utilizes dual soft switching bridge architecture with integrated planar magnetics. Voltage percentages and load balancing can also be verified. The I2C interface adds to the controllability by providing actual output voltages and current measurements; no guesswork is needed as with simple status bits. The main system CPU can provide look-ahead health assessment for early warnings of imminent failure, faulty connectors and other latent problems before they become critical.

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<http://www.wirelessdesignmag.com/product-releases/2002/01/power-supply-compactpci-systems>