

APPLICATION BRIEF

BTCPower's FMTX based Power Supply For Battery Chargers

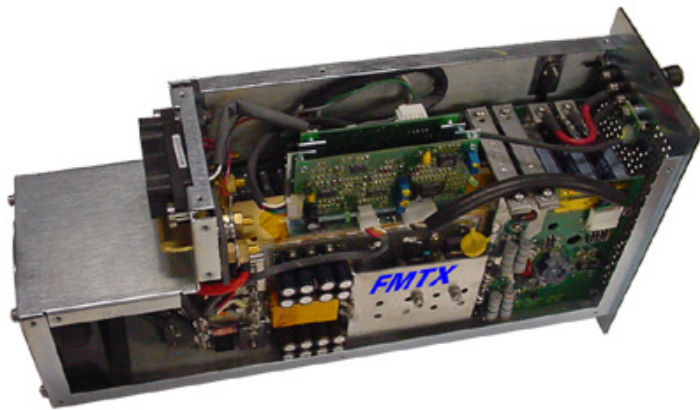
BTCPower's patented and advanced Flat Matrix Transformer Technology (FMTX[®]) technology is unique and one of the most innovative technologies in the power conversion industry. BTCPower entered the telecom market in 1999 with super high current density power conversion products based on the FMTX and is now recognized as a quality supplier to the telecom, automatic test equipment, and other high tech markets.

The Company recently introduced its FMTX power conversion solutions into the industrial product market to compliment its present market focus. The industrial market, that includes products such as battery chargers and welding machines, can take full advantage of the super high current density capabilities of the FMTX technology.

The major benefits to battery charger manufacturers, made possible by replacing present power supplies with BTCPower's FMTX based power conversion technology, include;

- a) a 20%-30% reduction in the battery charger's form factor,
- b) an increase in the efficiency of the power source to more than 90%, and
- c) lower cost.

The impact on the form factor can open new markets and uses for the battery chargers. This is a significant marketing and competitive advantage where space and/or transportability are important to the application. Examples include marine, mobile, and applications requiring wall mounting where size and weight requirements are critical.



BTCPower's power supply design engineers will custom design the FMTX based power supply to be integrated with the manufacturers control boards to meet the battery chargers specifications. An FMTX based battery charger can be configured to produce up to 25KW of power. □