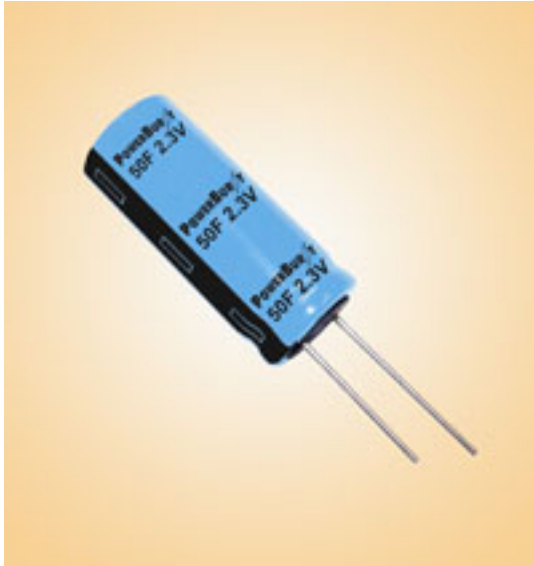


Ultracapacitors Target RAID Back-up, Smart Grid, Portable and Handheld Electronics



The Tecate Group announced the newest members of the PowerBurst family of cylindrical, radial leaded ultracapacitor cells. The new TPLE Series is 100 percent RoHS compliant, and offers extended operating temperature up to 85°C. Capacitance values range from 5 F to 100 F. These electrochemical double-layer capacitors (EDLCs) offer low ESR (Equivalent Series Resistance) for high power and low loss during operation. The lightweight, small form factor parts are said to be maintenance-free and offer a high charge/discharge cycle life along with high useable capacity. These low leakage current ultracapacitors charge quickly and safely, and deliver frequent energy pulses without harmful effects or reduced life. They are optimal for use in storage, battery packs, wireless communications, mobile computing, and industrial applications. Among the parts' most common employment are in RAID storage, smart grid, portable data terminals, personal digital assistants, pagers, peak power shaving, and remote monitoring equipment. They can be used in conjunction with batteries, or other power sources, when batteries alone do not meet performance objectives. Cells are also used to hold or bridge power when the primary power source fails, or when a battery is swapped out. PowerBurst ultracapacitors feature a capacitance tolerance of -0 percent to +40 percent.

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