

# Compact design with high ripple current capability



TDK Corporation (TSE:6762) presents the new B43707\* and B43727\* series of EPCOS aluminum electrolytic capacitors with screw terminals. They are designed for rated voltages of between 400 V DC and 450 V DC and cover a capacitance range from 1800  $\mu$ F to 18,000  $\mu$ F. One particular feature of this series is their high CV product, which enables very compact dimensions. Depending on capacitance and voltage the capacitors measure in at just 51.6 mm x 80.7 mm to 76.9 mm x 220.7 mm (d x h).

The capacitors are designed for a maximum operating temperature of 85 °C and offer a very high ripple current capability of up to 63.9 A AC (100 Hz, 60 °C). A special base cooling design is available, which doubles the ripple current capability. The B43707\* series is intended for mounting with ring clips, whereas the B43727\* series has a threaded stud on the base of the can.

The robust new capacitors are suitable for use in industrial power supplies, frequency converters or UPS systems. In addition, they can be deployed in renewable energy applications such as the converters in photovoltaic and wind power plants.

## Main applications

- Power supplies, frequency converters or UPS systems
- Converters in photovoltaic and wind power plants

## Main features and benefits

- Compact dimensions from 51.6 mm x 80.7 mm to 76.9 mm x 220.7 mm (d x h)
- High ripple current capability of up to 63.9 A AC at 100 Hz and 60 °C