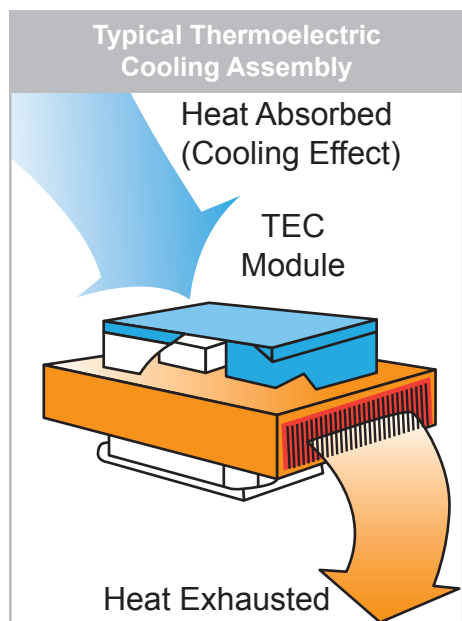


## How Thermoelectric Coolers Work



DBK Thermoelectric Coolers use the Peltier effect to provide compact and reliable solid state cooling. The application of DC voltage to the TEC creates a heat pump, which transfers heat from one side to the other, making one side cold and the other side hot. The use of heat sinks and fans produces a system which optimises the thermal transfer for cooling electrical enclosures.

### DBK Thermoelectric Coolers' Features and Benefits:

- Solid state design
- Compact size
- No refrigerants
- Reliable and long life
- Reversible cold/hot side by reversing polarity
- Low maintenance

### Typical Applications of Thermoelectric Coolers:

- ATM Enclosures
- CCTV boxes
- Ink jet printers
- Windmills
- Water/Wine coolers
- Military applications
- Spacecraft/Satellite
- Instrumentations
- Scientific applications

Contact us to find out how we can help with your challenging applications.