

Thermal Consideration

As both TEP 150UIR series and TEP 200UIR series are high power products, they produce a considerable amount of heat dissipation. Due to that proper cooling has to be ensured during engineering process. It is necessary that heat transportation either with forced air cooling or with natural convection cooling is ensured anytime.

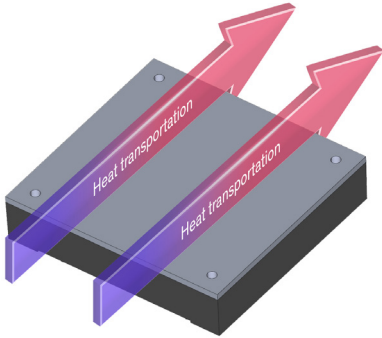


Figure 1: horizontal mounting without heatsink

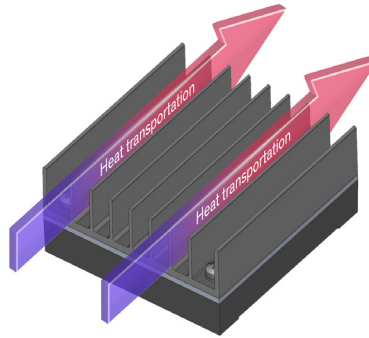


Figure 2: horizontal mounting with Heatsink TEN-HS6

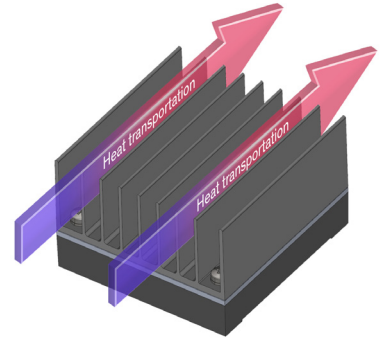


Figure 3: horizontal mounting with Heatsink TEN-HS7

To optimize cooling (especially natural convection cooling) the converter can be mounted vertically. When using with a heatsink (figures 5 & 6) the fins must be oriented vertically as well.

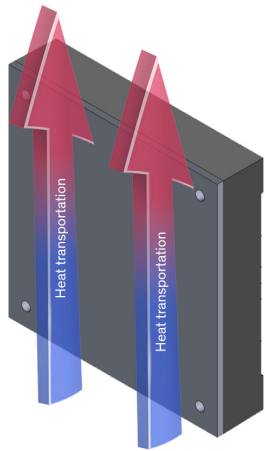


Figure 4: vertical mounting without heatsink

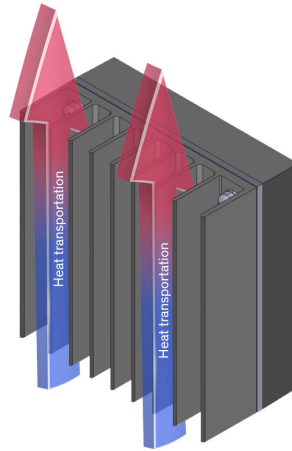


Figure 5: vertical mounting with Heatsink TEN-HS6

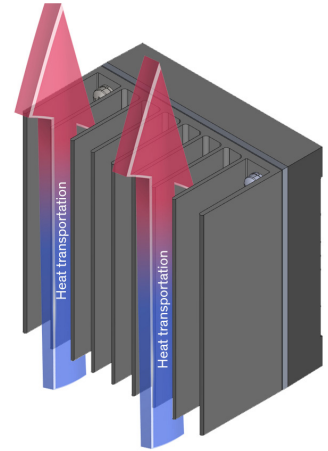


Figure 6: vertical mounting with Heatsink TEN-HS7

Note: For best cooling performance, the converter should be mounted directly onto a massive baseplate to transfer heat via conduction. The bigger the baseplate surface, the better the actual cooling performance.

For more information check www.tracopower.com/overview/tep150uir
www.tracopower.com/overview/tep200uir