High-performance heat sinks

Intelligent thinking on aluminium.

The demand for power electronics has increased in many industries. With the increasing performance of these components, thermal management has become a critical factor. High-performance heat sinks from apt offer high cooling performance at a reasonable cost and low material consumption.



Facts and figures

Individual heat sinks for

small and large series

Surface treatment: anodizing, passivation and powder coating p.a.

8M m²

Co-engineering along the value chain from billet to heat sink to assembly module

Tongue ratio extruded heat sink

up to 18:1

Engineering service

Thermal simulation

Maximum cooling capacity in the smallest installation space

Patent: multi-part CoolFusion heat sink Further processing in-house

- CNC processing
- Pressing of finned coolers
- Anodizing
- Passivation
- Powder coating
- FSW welding
- Assembly

apt high-performance heat sinks







Patented, modular highperformance heat sink



Hybrid liquid heat sink



Cooling power

Product quality with apt



E-Mobility Efficient temperature regulation of electronic components, e.g.

- Batteries
- Power electronicsElectric motors



Electrical engineering High protection of sensitive components through efficient heat dissipation.



Renewable energies Optimum performance / longevity of electronic / electrical components, e.g. in Photovoltaic systems

- Photovoltaic system
 Wind power plants
- Hydroelectric power plants



LED lighting Extension of the service life of LED lighting through optimal and efficient cooling.









