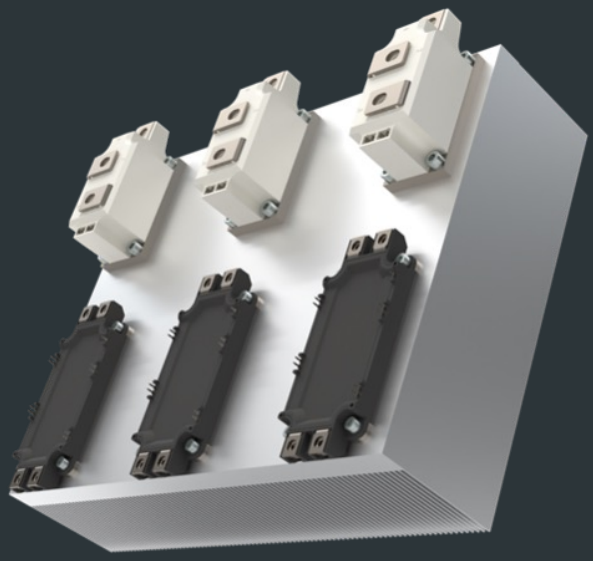
CooliBlade®



AURORA-X

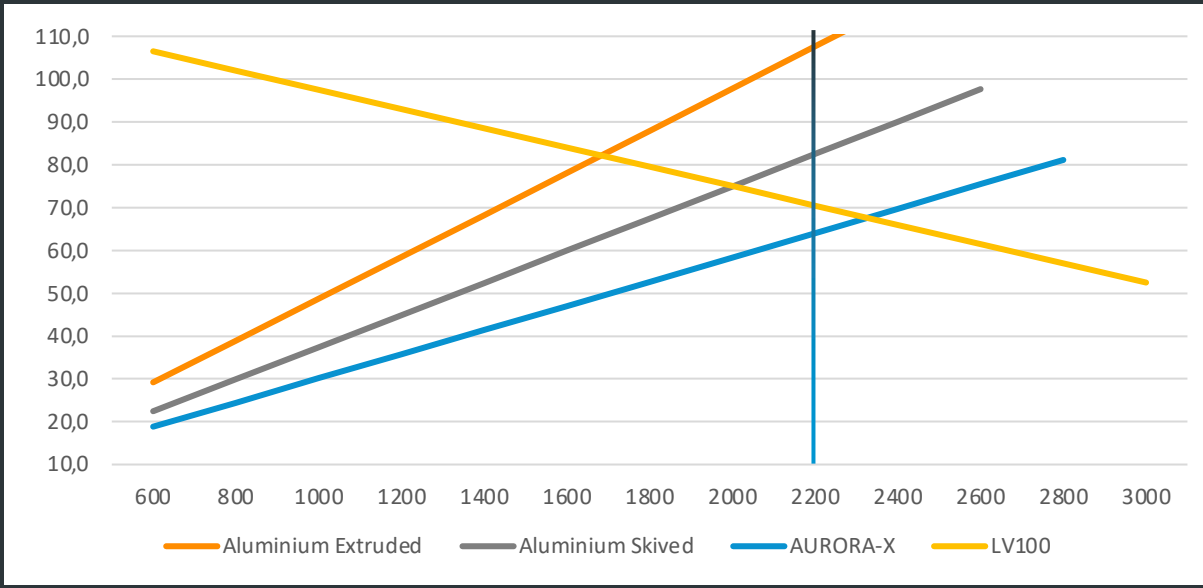
Free-form design. Enhanced NEOcore-X evaporator. Integrated vapor chamber and thermal channels.

NEOcore brings phase-change cooling to the air. AURORA-X integrates a patented vapor chamber and thermal channels directly into the heat sink baseplate. It spreads heat in three dimensions instantly as it leaves the module surface.

At higher power densities, skived and extruded aluminium run out of headroom. AURORA-X handles the increase within the same footprint.

AURORA-X is a direct form factor replacement for aluminium heat sinks in narrow air duct applications, with significantly higher thermal performance.

Perfect for: AC Drives, EV Charging Stations, Lifts, Solar Converters, UPS Power Sources.



Eliminate Hot Spots. Extend Lifespans.

CooliBlade heat sinks run cooler and makes power modules last longer than anything aluminium can deliver at high power density. The reason is **NEOcore**: a patented two-phase cooling plus an optimized evaporator that spreads heat in three dimensions the moment it leaves the module surface. Benchmarked head-to-head against skived aluminium under identical airflow and load, NEOcore-equipped products run 19°C cooler at the surface and 44 °C against an extruded aluminium heat sink. [Initial simulated performance, LV100 @ 40 degC ambient]

19 K

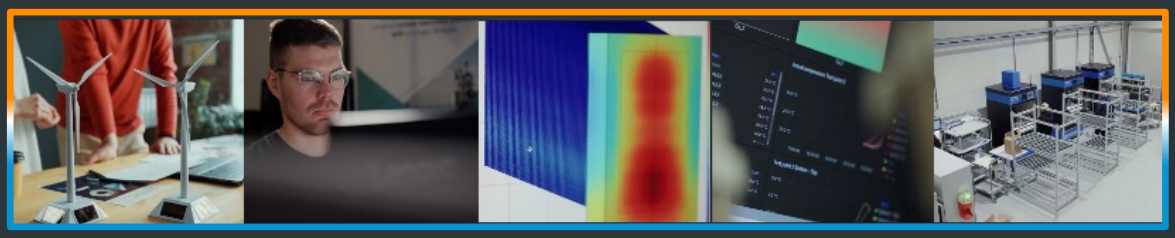
Cooler than skived aluminium at 2 200 W

44 K

Cooler than extruded aluminium at 2 200 W

3-5 x

Higher power densities unlocked for next-gen SiC modules



Drop-in Ready. Or Designed Around You.

AURORA-X is engineered as a true drop-in retrofit with zero integration risk. But when your project demands a completely new approach, we don't just build heat sinks–we build solutions tailored precisely to your space.

Footprint Flexibility: Whether retrofitting legacy equipment or designing next-gen hardware, we customize the thermal footprint to your exact geometry.

Vertical Expansion: If your application allows for vertical growth, we maximize the air interface to increase your cooling power by utilizing the whole heat sink structure.

Omnidirectional Heat Spreading: The large integrated evaporator distributes heat horizontally and vertically across the full heat sink structure the moment it leaves the source. Hot spots are eliminated before they form in the same footprint as traditional aluminium heatsinks.

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