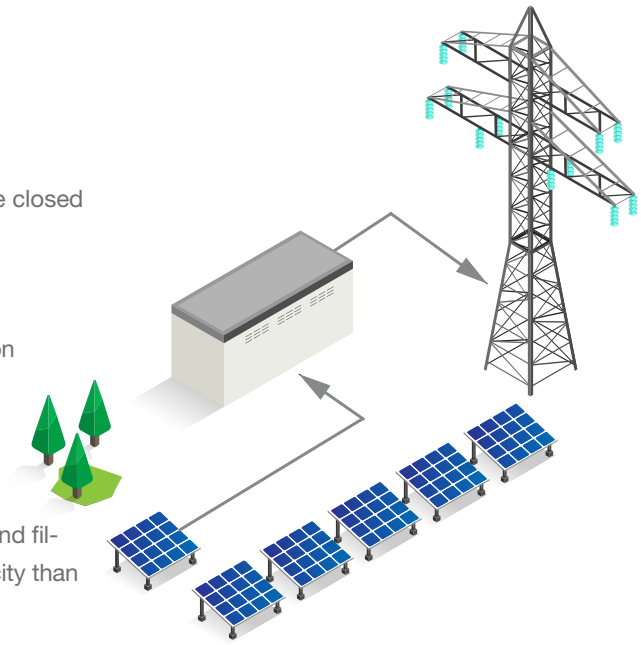
HEATEX THERMAL MANAGEMENT SOLUTIONS

SOLAR INVERTER COOLING

COOL, PROTECT & SAVE ENERGY



Heatex supply air-to-air heat exchangers for efficient and reliable closed loop cooling of photovoltaic central inverters.

We are capable of delivering complete cooling units, customized and configured to fit specific requirements such as space limitation or airflow configuration.

Solar inverter cabinets are often placed far away from utilities and manhours which makes air-to-air heat exchangers a more economical choice than solutions based on water or fan and filters. Additionally, air-to-air heat exchangers consume less electricity than air conditioning systems.

CUSTOMIZED & RELIABLE COOLING SOLUTIONS

CLOSED LOOP COOLING

By keeping the two air flows separated, the electronic equipment is protected from water, dirt and dust.

LOW MAINTENANCE

Thanks to a simple but robust design, air-to-air heat exchangers require very low maintenance.

COST EFFICIENT

Using natural heat flux in combination with high-performance design keep running costs low.

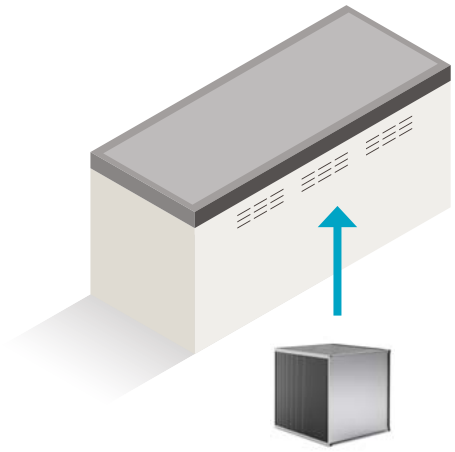
OUTSTANDING COOLING CAPACITY

Top of class air-to-air heat exchangers with superior turbulence enhancing plate patterns.

FAST, FLEXIBLE & EXPERIENCED

- Our thermal experts and inhouse product development engineers quickly respond to any technical questions including design support with CAD drawings.
- Our industry know-how and well established sub-suppliers ensures assembly, transport, fit & leakage.
- >10 years of experience supplying top-of-the-line heat exchangers for a wide range of cooling applications.

THE SYSTEM



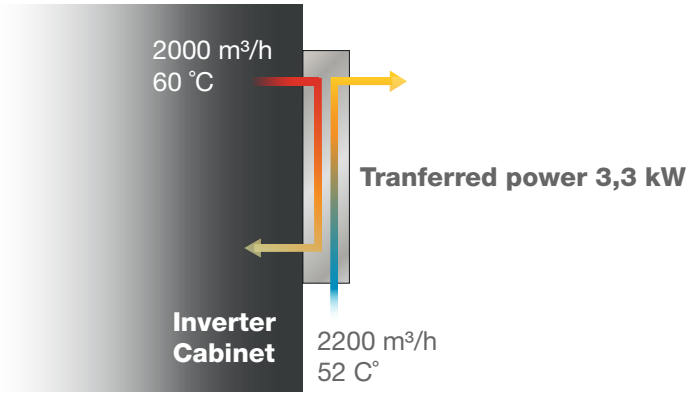
The heat exchanger is usually located in the top part of the inverter cabinet.

EXAMPLE

Ambient T: 52 °C

Max. enclosure T: 60 °C

Heat dissipation requirement: 3 kW



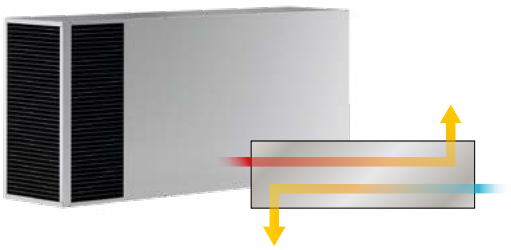
HEATEX AIR-AIR HEAT EXCHANGERS

We offer two types of plate heat exchangers, crossflow and counter flow. The application determines which heat exchanger type provides the best solution.

MODEL H/H2 (CROSSFLOW)

The cold and the warm air flow perpendicular to each other. The crossflow heat exchangers can be assembled in a two-step configuration.

MODEL M (COUNTERFLOW)



Two airstreams flow in opposite direction to one another. The airflow in our counter flow heat exchangers can be adjusted in several different ways.

WHY HEATEX?

Heatex is a leading cleantech company that optimizes and develops energy-saving thermodynamic products and solutions that contribute to a sustainable future. Our skilled and experienced application engineers support our customers during the entire development process.

Contact us for more information and concept solutions!