



The Cool Side of Solar Thermal

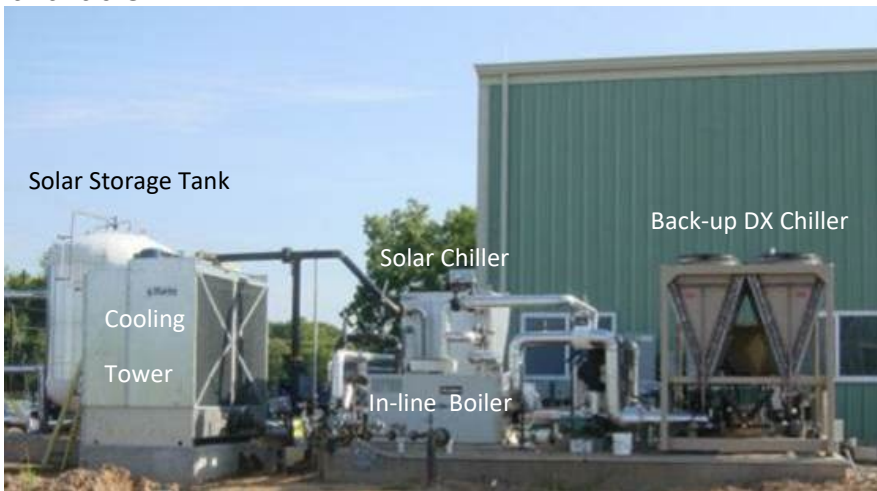
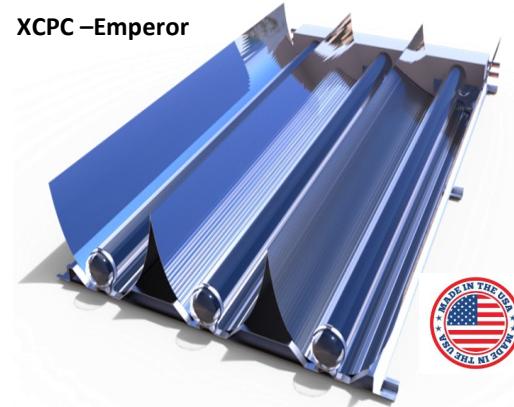
Solar Thermal Absorption Air Conditioning

Commercial Air Conditioning — this \$2B industry (worldwide) traditionally relies on expensive to operate electric chillers. **Artic Solar's** advanced XCPC with natural gas back-up **permanently** removes load from the electrical grid, providing the lowest cost of energy available today as well as a substantial reduction in green house gas emissions (see chart below).

Unlike standard solar systems, the XCPC collects both direct and indirect sunlight, allowing usage across the globe. No moving parts and a dust-repellent coating mean minimal maintenance costs. Our low-profile roof-mounted systems blend in any environment.

Complete project design, engineering services & financing available.

XCPC –Emperor



Benefits

- ☞ Stand alone or inject chilled water into larger loads
- ☞ Utilizes renewable energy to offset fossil fuels by 25% - 40%
- ☞ 30% federal tax credit for all components, materials and installation labor*
- ☞ Additional federal, state, local and utility grants/incentives are available *
- ☞ Non-tracking design reduces O&M costs
- ☞ Non-imaging optics allows for use of both direct and indirect sunlight

* USA only

Savings & Green House Gas Reductions Example: 10 ton/35Kw Chiller

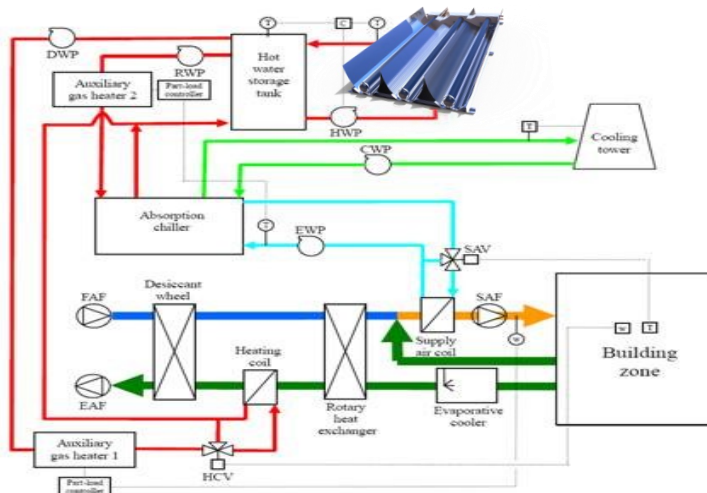
Natural Gas = 5,180 therms saved per yr
60,900 lbs. of CO₂ and 77 lbs. No_x

Electric = 105,000 kWh saved per year
143,500 lbs. of CO₂ and 524.3 lbs. No_x

HIGHEST REDUCTIONS OF ANY SOLAR TECHNOLOGY ON THE MARKET!

CALL TODAY FOR A QUOTE

How it Works



U.S. Patent # 9,383,120 B1

Solar Thermal Concentrator Apparatus, System and Method

Brought to you by: **artic solar**

Jacksonville, FL, USA www.articsolar.com 904-513-4638 Bill@articsolar.com

