



An Investment with Real Returns



THERMOPOWER

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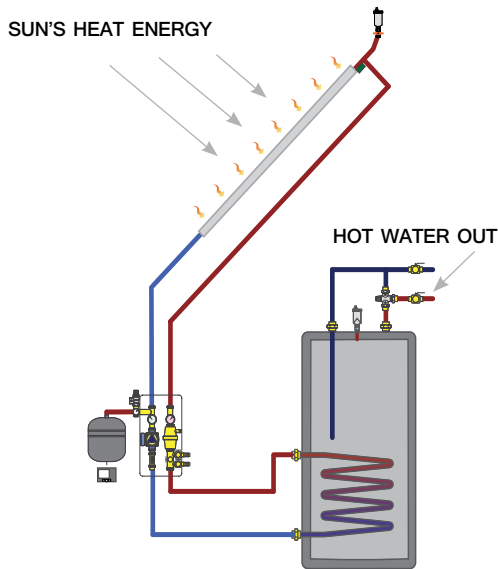
EDUPOWER

# COMMERCIAL Solar Thermal Solutions

**RELIABILITY**

When it comes to a commercial investment of any kind, one of the main considerations to take into account is the long-term reliability of the investment. Installing a solar thermal domestic hot water or space heating system is no exception. You want to be sure that the cost savings you will experience from the reduction in your current energy bills is not going to be spent on system maintenance or the repair of system components.

SunMaxx Solar provides turnkey commercial solar thermal solutions which provide up to 20 years of system reliability. Our 25 years of engineering and design experience has resulted in the development of products and systems that require little, if any, maintenance.



**HOW COMMERCIAL SOLAR THERMAL WORKS**

- Solar Collector collect sunlight to heat up water or heat transfer fluid (glycol)
- Circulating pump transfer hot water into storage tank
- Existing hot water system is pre-heated by solar energy system

**RETURN ON INVESTMENT**

Every system we design begins with a Return on Investment (ROI) target, depending on fuel type, of 7-20% Internal Rate of Return (IRR).

**Main Collector Technologies: Flat Plates and Evacuated Tubes**

SunMaxx Solar recommends flat plate collectors for most commercial applications unless the installation is for high temperature process or space heating. System designs are available for both technology types.



TitanPower ALDH29  
Flat Plate Solar Collector



ThermoPower-VHP20  
Evacuated Tube Solar Collector

**Applications**

- Hotel Domestic hot water
- Snow Melt Systems
- Pool & Hot Tube
- Space Heating (Forced air and radiant floor / panels)
- Process heating (chemical, food, agriculture, etc)

**The SunMaxx Advantage**

- World-leading products  
SunMaxx manufactures and distributes many of the industry's most cost-efficient, reliable and high-performance products.
- Nationwide professional installer network  
Our authorized SunMaxx installers are trained in the most up-to-date solar thermal technology by our certified professional instructors.
- In-house dedicated solar thermal experts (over 25 years experience)
- Over 100,000 systems installed worldwide
- Manufacturer direct supply chain



HOW TO GET STARTED TODAY

Determine your current domestic hot water load, or consult one of our solar thermal experts.

Call SunMaxx Solar to prepare a system design and estimated costs & payback of your system.

SunMaxx Solar selects a local certified installer to perform further site survey analysis.

Authorized SunMaxx Installer installs solar thermal system and assists with tax incentive and grant application process.

REFERENCE PROJECTS



Walkill Correctional Facility, Walkill NY

- Domestic hot water
- On-demand solar exchanger - no storage tank
- Estimated solar fraction ~20%
- Annual BTU production 766 mmBTU
- 2010 Best In State award for government solar projects



Westin Resort, Virgin Islands

- Domestic hot water
- 45 SunMaxx ThermoPower-VHP30 collectors
- 4000 gallon non-pressure storage tank
- 43% Solar Fraction



Cornell University CCHP, Ithaca NY

- Domestic hot water & space heating
- 15 SunMaxx ThermoPower-VHP30 collectors
- Reduced coal consumption by 80%
- Platinum LEED certified



St. Regis Resort & Hotel, Aspen CO

- Domestic hot water, space & pool heating
- 45 SunMaxx ThermoPower-VHP30 collectors
- Avg. BTU production/tube = 1200 BTU
- BTU production/day = 1.62 mmBTU





**SunMaxx**  
ThermoPower



**SunMaxx**  
TitanPower



**GridMaxx**



**ConnectMaxx**



## SunMaxx EduPower

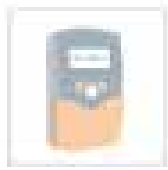
Complete solar thermal training  
and education



**FlowMaxx**



**StorMaxx**



**IntellaMaxx**



**UniMaxx**

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