CASE STUDY

BROWN UNIVERSITY AQUATICS CENTER

PROJECT OVERVIEW | UNIVERSITY AQUATICS CENTER HYBRID SOLAR

OBJECTIVES

Maximize **pool sustainability**
Offset **thermal demand**
Promote **innovative design**

SPECIFICATIONS

Location: Providence, RI USA
Year: 2013
Demand: Pool heating
Size: 168 SunDrum modules
Power: 161 kW

SOLUTION SUMMARY

SunDrum Solar installed a large, **168-panel combined PV-and-thermal array** on the roof of the Brown University Aquatics Center. Each PV panel was equipped with a SunDrum Collector, improving panel performance while heating the pool directly. Made in nearby Hudson, MA, the Collector system provides 100% of the pool's heating needs for most of the year.

WHY SUNDRUM SOLAR?

SunDrum Systems combine **photovoltaic (PV), solar thermal, and heat pump technology** to meet electrical and thermal demand simultaneously.

WHAT IS SUNDRUM SOLAR?

The **award-winning, patented SunDrum Collector** mounts behind PV panels to supercharge any solar system. Collectors cool the panels (improving performance) and capture usable thermal energy. Heat pump integration supports a wide range of heating and cooling applications.

HOW SUNDRUM SOLUTIONS DIFFER

More power captured
3x more solar power per panel than PV
More useful heat
Space & water heating, up to 160°F
Better financial returns
Faster payback than PV or solar thermal
Made in the U.S.A.
Predictable timelines, increased rebates

6%
Increase in PV panel Performance

Hudson, MA
Manufactured in the USA

650 Watts
Heat Energy Captured per Collector

Katherine Moran Coleman Aquatics Center

Large Rooftop Solar Installation

sundrumsolar.com

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