



Add built-in solar heating to multiply energy savings and reduce environmental impact



US Patent pending

The SunCatcher option is available on any DuraCore spa cover. SunCatcher uses the sun's energy for spa heating by circulating air within the cover to bring solar heat to the spa water and melt snow in winter.

- Installs like a regular cover
- Reduces spa heating up to 80%
- Automatic, eco-friendly and safe

Environmental benefits



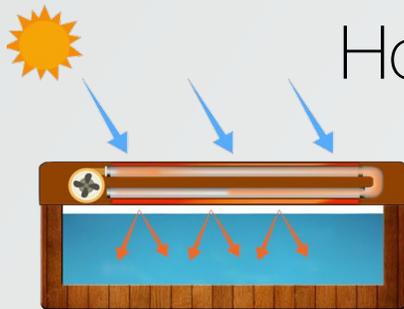
- Saves up to 8 tons of CO2 over 8 yrs
- Insulation is mostly recycled content
- Cover is 80% recyclable or reusable

SunCatcher was awarded 1st Place for Best Green Product at the 2017 International Pool Spa and Patio



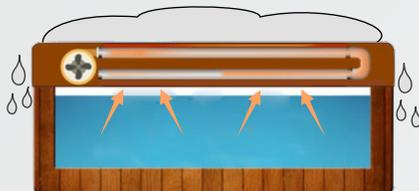
How it works

Solar



Small fans inside the cover circulate air to bring the sun's heat to the bottom of the cover, where it radiates down to the water. An electronic controller regulates fan function to maintain desired spa temperature.

Snow



SunCatcher's sensors detect the presence of snow and circulate air inside the cover to bring your spa's heat to the top when it's needed to prevent snow buildup. Requires SunCatcher Max with external power adapter.

SunCatcher Models and Options

Ground-mounted solar



Body-mounted solar



Power supply options

- Body-mounted solar panels
- Ground-mounted solar panel
- External AC/DC wall plug adapter

SunCatcher Specifications

Power supply options	Four body-mounted 12V solar PV panels 10 Watts each, <i>or</i> External ground-mounted 12V solar PV panel 30W with pole/bracket*, <i>or</i> External AC/DC 12V wall plug adapter 3A* *Includes 30 ft cable & waterproof connector
External power cable	Cable can be routed through any section of skirt to exit where needed
Power connector	Two pin round waterproof IP67
Fans	Two or four 12V DC ball bearing axial fans, UL recognized
Temperature sensors	Spa water temperature probe, cover upper & lower temps
Controller	Custom printed circuit board with push button input and 11 LED array for status and control. UL recognized.
Maximum thermal power	Up to 1000W thermal heat delivered to spa water @ 160F
Solar performance	Reduces spa electrical heating energy by 40-80%. Custom spa energy savings analysis available on request.
Snow melting function	Automatically senses and melts up to two inches per hour of snowfall or built up snow. Prevents deep buildup of snow. Requires external AC/DC wall plug power adapter.
Controller functions	Set upper temperature limit from 95-104F (other ranges custom) Solar heat level displayed (one red LED per 100W solar heat) Total solar heating since installation displayed (total kWh saved)
Skin requirements for solar heating	Optimal solar heating function requires darkest color skin options: Black, chocolate, captain navy, or slate. Other dark shades (green, graphite, burgundy) will function but with reduced performance.