

DIYSolarPoolHeaterKits.com

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Dimensions & performance

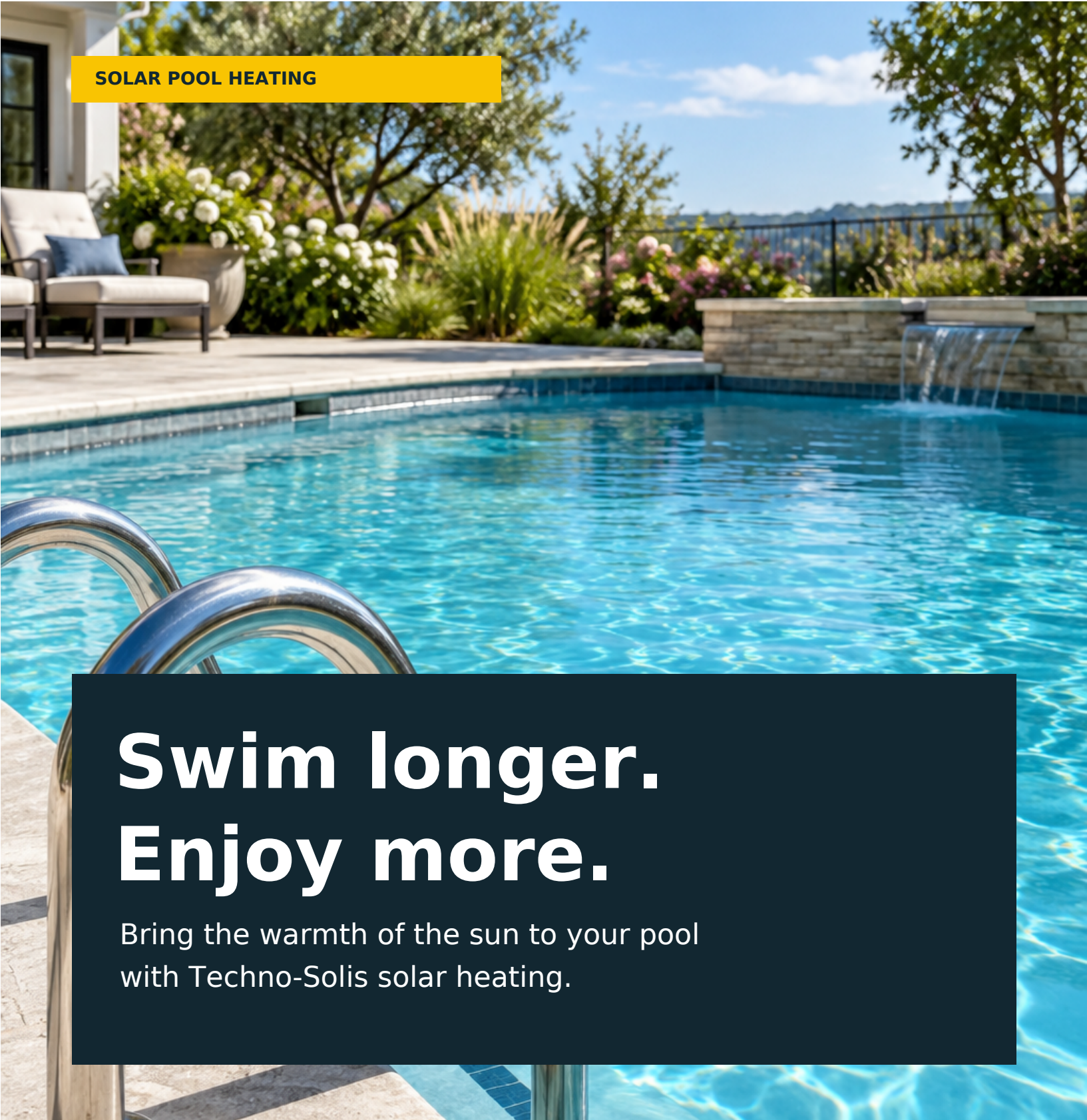
US SPECIFICATIONS

Panel / header		2 in	2 in	2 in	1.5 in	1.5 in	1.5 in
Panel size	ft	4 × 12	4 × 10	4 × 8	4 × 12	4 × 10	4 × 8
Overall length	in	144.12	120.37	96.00	143.3	119.55	95.18
Absorber width	in	47.50	47.50	47.50	47.63	47.63	47.63
Header length	in	50.75	50.75	50.75	50.75	50.75	50.75
Gross area	ft²	47.62	39.79	31.65	47.31	39.46	31.40
Flow channels		104	104	104	104	104	104
Maximum flow	gpm	10	10	10	10	10	10
Minimum flow	gpm	3	2.5	2.5	3	2.5	2.5
Recommended flow	gpm	4.9	4.9	4.9	4.9	4.9	4.9
FSEC rating / ft²	BTU	1010	1010	1010	1010	1010	1010
Wind load	mph	150	150	150	150	150	150
Dry weight	lb	30	25	20	29	24	19
Wet weight	lb	62.5	53.6	44.7	62.5	53.6	44.7

METRIC SPECIFICATIONS

Header		50.8 mm	50.8 mm	50.8 mm	38.1 mm	38.1 mm	38.1 mm
Part number		c20ts12	c20ts10	c20ts08	c15ts12	c15ts10	c15ts08
Overall length	m	3.66	3.06	2.44	3.64	3.04	2.42
Absorber width	m	1.21	1.21	1.21	1.21	1.21	1.21
Header length	m	1.29	1.29	1.29	1.29	1.29	1.29
Gross area	m²	4.42	3.70	2.94	4.395	3.666	2.917
Flow channels		104	104	104	104	104	104
Maximum flow	L/min	37.86	37.86	37.86	37.86	37.86	37.86
Minimum flow	L/min	11.36	9.47	9.47	11.36	9.47	9.47
Recommended flow	L/min	18.55	18.55	18.55	18.55	18.55	18.55
FSEC rating / ft²	BTU	958	958	958	958	958	958
Wind load	km/h	241.4	241.4	241.4	241.4	241.4	241.4
Dry weight	kg	13.61	11.34	9.07	13.15	10.89	8.62
Wet weight	kg	29.17	25.13	20.59	28.35	24.31	20.28

Figures and units reproduced from the supplied Techno-Solis brochure. Confirm current specifications and installation requirements before ordering. Wind resistance depends on the complete installation and site conditions.



Swim longer.
Enjoy more.

Bring the warmth of the sun to your pool
with Techno-Solis solar heating.

Why solar?



A longer swimming season

Make more use of your pool when cooler water would otherwise keep you out. Solar heating can extend your comfortable swimming season, depending on your climate and system design.

Lower heating costs

Use free energy from the sun to reduce reliance on gas or electric pool heating. Savings and payback depend on local energy prices, pool use and installation cost.

More from your backyard

A comfortably heated pool makes your outdoor space more enjoyable and can add appeal to your home.

Naturally powered

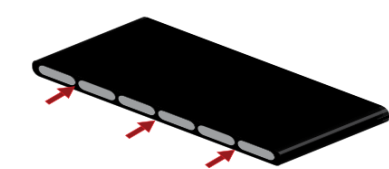
Solar collectors warm your pool without burning fuel at the panels, helping reduce the energy needed for everyday heating.

Why Techno-Solis?

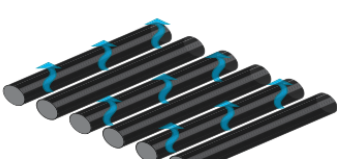


An original panel design

Techno-Solis collectors capture solar energy and transfer it directly to circulating pool water. The connected absorber design is built for dependable pool heating.



Connected Techno-Solis absorber



Separated flow tubes

Designed to retain heat

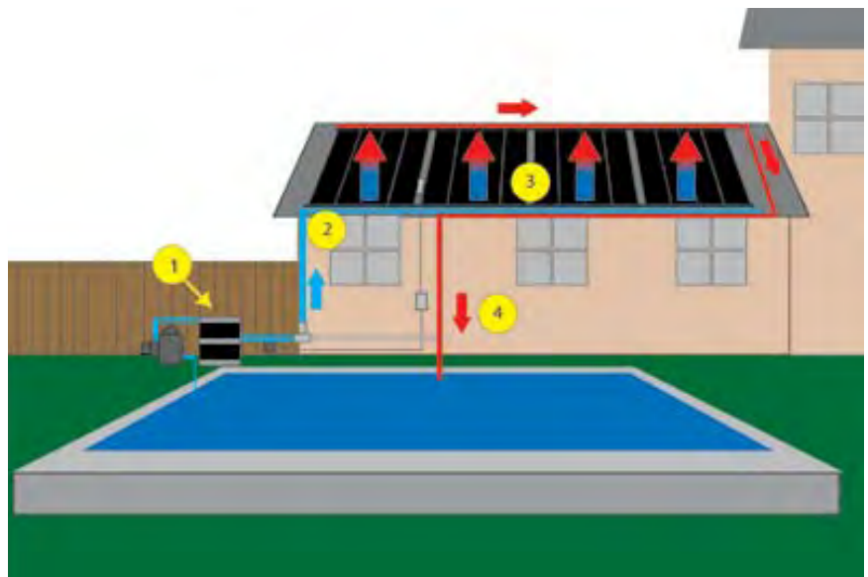
Connected flow tubes help retain heat during windy conditions. Their shape also allows more flexibility than round tubes. Correct drainage and freeze protection are still essential.

Built for durability

Polypropylene and UV stabilizers support outdoor durability. The original manufacturer brochure specifies 35% more material than competing panels. Factory warranty coverage provides added reassurance; terms apply.

Performance varies with sunlight, weather, system sizing and pool heat loss. Pump electricity and periodic system checks still apply.

How it works



- 1 Circulate**
Your pool pump sends filtered water to the solar collectors.
- 2 Enter**
Cooler water enters the collector through the lower header.
- 3 Warm**
Sunlight heats the water as it flows through the absorber channels to the upper header.
- 4 Return**
The warmed water flows back into your pool.
- 5 Repeat**
Circulation continues while useful solar heat is available and the pool needs heating.

