Solar Heating Systems 2017

Revised: 1/18/17

There are two ways to size a pool solar heating system. One is to keep the system small, and just ñtake the edge offò. Typically you can tell that itôs working, because you can feel warm water returning to the pool.

The other way is to size the system so that you can really notice how much warmer the pool is. Ideally, you will have noticeably warmer water without having to use a solar cover. Unfortunately, that requires the system to be 1/2 the size of an above ground pool, and 2/3 the size for an inground pool. Above ground pools take heat through their metal sides, so they need less than inground pools. There is no magic that makes a small heater heat a large pool ï the same amount of sunlight lands on a square foot of ground no matter what is on the ground.

For the EcoSmart systems, add an SK35 Manual Diverter kit to make controlling easier, or an SK21 System kit (which includes a diverter) to mount up to four solar boxes on a roof. Hereôs a sizing guide; all areas are in square feet:

Pool Type	Pool Size	Pool Area	Minimum System*	Ideal System*
AG Round	12ô	113	20	40
AG Round	15ô	127	20	60
AG Round	18ô	255	40	120
AG Round	20ô	315	60	160
AG Round	24ô	453	80	240
AG Round	28ô	616	120	280
AG Round	33ô	856	160	400
AG Oval	12 x 24	258	40	120
AG Oval	15 x 30	352	80	160
AG Oval	18 x 33	480	120	240
AG Oval	18 x 40	739	180	360
IG Rectangle	16 x 32	512	200	320
IG Rectangle	18 x 36	648	280	440
IG Rectangle	20 x 40	800	320	520

***Minimum system size** is actually the idea size recommended by the manufacturer to ñtake the edge offò, and assuming you use a solar cover with it. **Ideal system size** is designed to actually make you happy with the heat. If you are not sure what to do, start small and add on later.

Special Order Only Description	Rush Order Price	Next Truck Price
40SF Ground Mount (AG) Solar System S120U	249.99	**199.99**
80SF Ground Mount (AG) Solar System S240U	439.99	**349.99**
80SF Roof Mount (IG) Solar System S601P	499.99	**399.99**
SK21 System Mounting Kit, for up to four 601 systems	189.99	**149.99**
SK35 Manual Diverter Kit (included in SK1)	64.99	**49.99**

Eco Smart Solar System Contents

Specifications	**120**	**240**	**601**
# of Panels	1	2	2
Panel Size	2ô x 20ô	2ô x 20ô	2ô x 20ô
Flex Hose	1 - 18ò	-	-
Elbow Connectors	2	2	-
PVC End Caps	2	4	-
Hose Clamps	2	4	8
Teflon Tape	1	1	-
Rubber Hose Connectors	-	1	4
Mounting Brackets	-	-	10
Stainless Steel Screws	-	-	10
Needed Not Included:	Hose or Pipe to and from pool, plus SK35.	Hose or Pipe to and from pool, plus SK35.	Hose or Pipe to and from pool, plus SK21 Kit.

SK21 System Kit for S601 Roof Mount System

- 1-1.5ò Diverter Valve
- 1-3.75ò Hose
- 2 Pipe Adapters
- 1 End Cap
- 1 Vacuum Relief End Cap
- 5 Stainless Steel Mounting Brackets
- 5-2ò #14 Stainless Steel Screws
- 100ô Web Strap (Mounts up to 4 Solar Boxes
- 1 Spring Check Valve
- 3 Stainless Steel Clamps
- Installation/Operation Manual

SK35 Manual Diverter Valve Kit for Ground Mount System

- Allows control of water through collector(s) or directly back to pool.
- 1-1.5ò Ball Valve
- 2-1.5ò Tees
- 4 Flex hose Adaptors
- Directions

EcoSmart systems are

MADE IN USA

For a strong product and a strong country.

Economy Solar Heaters

Solar Pro Curve by GAME (#6400)

Adjustable, foldable legs to set the heater to maximize exposure to the sun. No bypass is required for aboveground pumps up to 1.5 HP. Heats up to 5°F in 4 days if the pool is small enough ï or keep adding them together until youôre happy. Made in China.

Original	**Discount**
$249.99	**$169.99**

Solar Mat by Intex (#3504)

28685EG. 47ò x 47ò Mat, for low flow filters, Made in China.

Original	**Discount**
$39.99	**$34.99**

Solar Pro I by GAME (#5545)

Includes 20ô heating coil, small foot print, easy to install. Heats up to 7°F a week if the pool is small enough ï or keep adding them together until youôre happy. Made in China

Original	**Clearance**
$229.99	**$149.97**