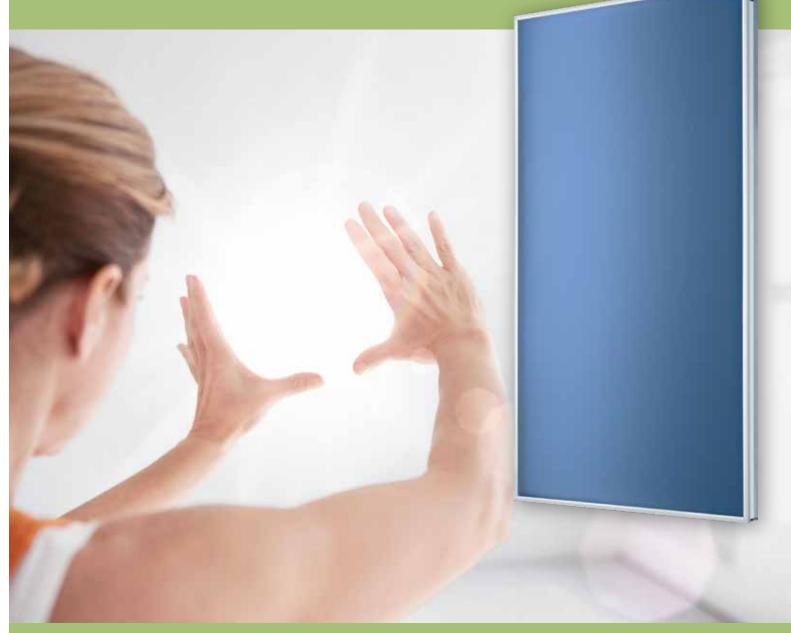


Harvest The Power Of The Sun!



SOL 27 Premium FLAT PLATE SOLAR COLLECTOR

- **)** HIGHLY SELECTIVE COATING
- > LOW PROFILE AT 3" THICKNESS
- > LOW IRON TEMPERED SOLAR GLASS
- > ALUMINUM ABSORBER WITH COPPER FLUID TUBES
- **)** DURABLE CORROSION RESISTANT ALUMINUM FRAME
- > CUSTOM MOUNTING HARDWARE AVAILABLE
- > 10-YEAR WARRANTY

800.582.8423

ISO 9001

www.stiebel-eltron-usa.com

Proven Technology Meets Modern Design

The SOL 27 Premium is ideal for:

- > Residential domestic hot water
- > Radiant in-floor space heating
- > Commercial water heating

The SOL 27 Premium's modern appearance seamlessly integrates with any architecture.

SOL 27 Premium W





Versatile mounting rack kits make every installation easy!

SOL 27 Premium S

Simple and Proven Effective: Solar Thermal Heat & Hot Water



Advantages include:

Architecturally compatible | The SOL 27 Premium is available in both vertical (SOL 27 Premium S) and horizontal (SOL 27 Premium W) configurations to accommodate a variety of architectural and engineering needs. Its low 3" profile makes it visually less obtrusive.

A lasting and reliable investment in energy

savings | The SOL 27 Premium is a highly efficient solar thermal collector. The net absorber surface of over 25 square feet helps result in a maximum output of 31,300 btu/day per panel (SRCC clear day rating). The SOL 27 Premium also offers features such as a highly selective absorber coating, low-iron, tempered solar glazing, and very effective insulation

Tax Credits and other incentives | Please consult our website. The SOL 27 Premium is eligible for a 30% federal tax credit on the total cost of materials and labor, with no upper limit, as well as any state or local tax or rebate incentives that may apply. Federal tax credit is not available for systems that heat swimming pools or hot tubs. System must be installed in primary residence. around the absorber plate. The internal fluid tubes are copper and the absorber plate is aluminum.

A highly effective design | Stiebel Eltron uses only the most durable materials. The SOL 27 Premium is the culmination of over 40 years of experience in solar thermal manufacturing. The SOL 27 Premium's 10 year warranty is a testament to the confidence we have in our products.

Installation time is minimized | The large panel size and the availability of a full complement of custom designed mounting accessories minimize installation costs. The plumbing connection from collector to collector does not require the use of tools.

	This product certified by the Solar Rating and Certification Corporation Cocca, FL 32922 (321) 638-1537 www.solar-rating.org SRCC Document OG-100	Stiebel Eltron 17 West Street West Hatfield, MA 01088 Model No.: Sol 27 Premium W Gross Area 2.55 m² (27.4 ft²) Serial Number:	Clear Day Rating in Category C 9.2 kWh/day 31.3 KBtu/day
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Sol 27 Premium: Proven Technology Meets Modern Design

Technical Data	ISO 9001 CERTIFIED	ISO 9806 COMPLIANT
	SOL 27 Premium S	SOL 27 Premium W
Item no.	230016	230017
Туре	Vertical	Horizontal
Height	85.5″ / 2171 mm	46.1″ / 1171 mm
Width	46.1″ / 1171 mm	85.5″ / 2171 mm
Depth	3.8″ / 96 mm	3.8″ / 96 mm
Weight	88.2 lbs / 40 kg	89.3 lbs / 40.5 kg
Casing material	Aluminum, corrosion resistant	Aluminum, corrosion resistant
Glass cover	ESG	ESG
Glass thickness	0.125" / 3.2 mm	0.125″ / 3.2 mm
Thermal insulation thickness	2″ / 50 mm	2″ / 50 mm
Thermal insulation material	Mineral wool, low outgassing, WLG 040	Mineral wool, low outgassing, WLG 040
Collector connection	22 mm plug-in connector	22 mm plug-in connector
Max. idle temperature	<410°F / <210°C	<410°F / <210°C
Min. operating pressure	50.75 psi / 0.35 MPa	50.75 psi / 0.35 MPa
Max. permissible pressure	87 psi / 0.6 MPa	87 psi / 0.6 MPa
Pressure drop at 300 l/h	0.51 psi / 0.0035 MPa	0.51 psi / 0.0035 MPa
Test pressure	247 psi / 1.7 MPa	247 psi / 1.7 мРа
Test medium	Water (at the factory)	Water (at the factory)
Heat transfer medium	DowFrost	DowFrost
Fill level, heat transfer medium	0.4 gal / 1.5 I	0.48 gal / 1.83 I
Nominal volume flow	13 - 80 gal/hr / 50 - 300 l/hr	13-80 gal/hr / 50-300 l/hr
Angle of inclination	20° - 85°	20° - 85°
Total area	27.34 ft ² / 2.54 m ²	27.34 ft ² / 2.54 m ²
Aperture area	25.73 ft ² / 2.39 m ²	25.73 ft ² / 2.39 m ²
Absorber area	25.62 ft ² / 2.38 m ²	25.62 ft ² / 2.38 m ²
Absorber	Aluminum, highly selective coating, copper pipes, laser welded	Aluminum, highly selective coating, copper pipes, laser welded
Gasket	EPDM	EPDM
Conversion factor ηο	0.82	0.83
Effective heat transfer coefficient a1	3.46 W / (m²K)	3.46 W / (m ² K)
Effective heat transfer coefficient a2	0.0153 W / (m ² K ²)	0.0153 W / (m ² K ²)
Absorption level a	95%, ±2%	95%, ±2%
Emission level ε	5%, ±1%	5%, ±1%
Collector yield	>525 / kWh/(m² p.a.)	>525 / kWh/(m ² p.a.)

Performance subject to global solar radiation levels, installation conditions, heat transfer medium temperature and system characteristics.

STIEBEL ELTRON FAMILY OF ENERGY SAVING PRODUCTS



Efficient tankless electric water heaters

Distributed by:



Tempra®

Whole House

Tankless

DHC Point-of-use Tankless



Stiebel Eltron's plant in Holzminden, Germany.

Stiebel Eltron has been a world leader in the development of advanced water heating technology for over 80 years. Our pursuit of engineering excellence and high-quality manufacturing results in products fulfilling the highest expectations of performance and reliability. They are...Simply the Best. RENEWABLE ENERGY



Water Heater



Highest ENERGY STAR rated air-source heat pump water heater



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