

STIEBEL ELTRON

Simply the Best

THE MOST ADVANCED TECHNOLOGY AVAILABLE

Engineered to exceed the performance of any existing solar thermal product.

- » Residential or commercial water heating
- » Radiant floor heating systems
- » Swimming pool heating



S-Power

EVACUATED TUBE
SOLAR COLLECTOR



ISO 9001
CERTIFIED

ISO 9806
COMPLIANT

- » GERMAN DESIGNED AND MANUFACTURED NTS TECHNOLOGY
- » PATENTED GLASS-TO-METAL SEAL GUARANTEED TO MAINTAIN INTEGRITY FOR 10 YEARS
- » 96% EFFICIENT TINOX®-COATED ABSORBER
- » INDIVIDUALLY AIMABLE REPLACEABLE TUBES
- » HIGHLY IMPACT RESISTANT 1.8 MM THICK GLASS WITH ANTI-REFLECTIVE COATING BOTH INSIDE AND OUTSIDE

TOLL FREE 800.582.8423

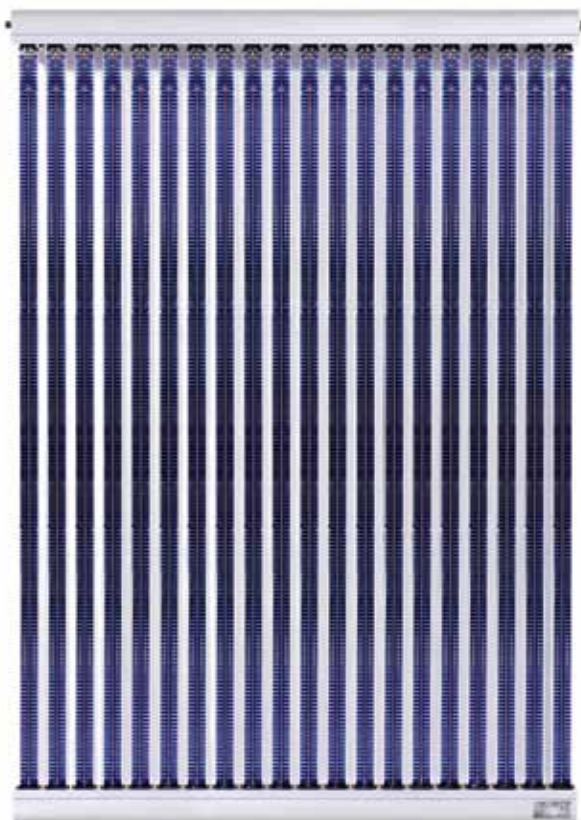
www.stiebel-eltron-usa.com

S-POWER EVACUATED TUBE SOLAR COLLECTORS

Great for hot water & space heating | Stiebel Eltron's S-Power solar collectors are engineered and made in Germany. They are three to five times more effective at capturing solar power than photovoltaic (PV) systems. Their latest-technology copper absorber plates are sealed inside single-walled, proprietary glass tubes with an uncompromising vacuum seal. Ideal for conditions where the outside temperatures are low and the demands for thermal energy are high, they are particularly well suited for combination systems where hot water, space heating, and air conditioning are required.

- » Low-iron glass of unparalleled clarity allows the full spectrum of solar radiation to be collected.
- » A special nano-particle silicon dioxide coating on both internal and external glass surfaces reduces light reflection, enhancing transparency and increasing transmission.
- » Silicon dioxide coating is baked into the glass, allowing the tubes to resist weathering and sealing micro cracks.
- » 1.8 mm thick, double-coated glass ensures the tubes are highly resistant to breakage from flying debris or hail.
- » Specialized pumping technologies and a unique barium getter create a high vacuum in the tubes of approximately 10^{-6} bar.
- » The proprietary glass used for the tubes is significantly more impervious to hydrogen and helium than typical borosilicate tubes, ensuring the integrity of the vacuum for 20 years.

S-Power 20-tube collector



Distributed by:

Technical Data



ISO 9001
CERTIFIED

ISO 9806
COMPLIANT

Model	SP-20	SP-30
Item number	791175	791174
Number of tubes	20	30
Max. operating pressure	145 psi / 10.0 bar	145 psi / 10.0 bar
Inspection pressure	220 psi / 15.17 bar	220 psi / 15.17 bar
Max. stagnation temp.	570°F / 299°C	570°F / 299°C
Fluid volume	0.25 gal / 0.95 l	0.375 gal / 1.42 l
Weight (empty)	53 lbs / 24 kg	159 lbs / 72.12 kg
Length	85.2 in / 216.4 cm	85.2 in / 216.4 cm
Width	28 in / 71.1 cm	84 in / 213.4 cm
Depth	3.25 in / 8.3 cm	3.25 in / 8.3 cm
Aperture area	15.8 ft ² / 1.47 m ²	47.4 ft ² / 4.4 m ²
Gross area	17.2 ft ² / 1.6 m ²	52.4 ft ² / 4.87 m ²
Power output	1.69–2.01 kW	2.53–3.01 kW



This product certified by the Solar Rating and Certification Corporation
c/o FSEC, 1679 Clearlake Road
Cocoa, FL 32922
(321) 638-1537
www.solar-rating.org
SRCC Document OG-100

Stiebel Eltron
17 West Street
West Hatfield, MA 01088

Model No.: S-Power HP 30/
3000 TPS Inside
Gross Area 4.961m² (53.40ft²)
Serial Number: 2009120A

Clear Day
Rating in
Category C

11.2 kWh/day
38.1 KBTU/day

Stiebel Eltron
17 West Street
West Hatfield, MA 01088

Model No.: S-Power HP 20/
2000 TPS Inside
Gross Area 3.246m² (34.94ft²)
Serial Number: 2009120B

Clear Day
Rating in
Category C

7.3 kWh/day
24.9 KBTU/day

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