

Comparison Analysis of Europe's top Solar Collectors versus the SP501

Keymark Collector Comparison

Name	Surface Power	(Withheld)	(Withheld)	(Withheld)	(Withheld)	(Withheld)	(Withheld)	(Withheld)	(Withheld)	(Withheld)	(Withheld)	(Withheld)	(Withheld)	(Withheld)	(Withheld)	(Withheld)	(Withheld)	(Withheld)	(Withheld)	(Withheld)	(Withheld)	(Withheld)
Noa	0.731	0.786	0.77	0.778	0.718	0.778	0.783	0.762	0.751	0.751	0.778	0.762	0.774	0.8	0.764	0.696	0.748	0.673	0.753	0.778	0.561	0.59
a1	2.074	4.02	3.1	3.59	0.974	3.59	4.36	3.84	4.51	4.51	3.59	3.84	3.83	4.31	3.83	3.34	3.82	6.16	3.91	3.59	1.61	1.07
a2	0.017	0.0086	0.0189	0.0096	0.005	0.0096	0.0045	0.008	0.0095	0.0095	0.0096	0.008	0.0095	0.0033	0.008	0.0102	0.0101	0.017	0.003	0.0096	0.004	0.0181

SP501

Conversion	61.03%	57.64%	59.61%	58.89%	61.70%	58.89%	56.05%	56.20%	51.60%	51.60%	58.89%	56.20%	57.30%	58.12%	56.45%	51.88%	54.69%	34.80%	55.45%	58.89%	47.65%	51.84%
IAM adjust	1.13	0.94	0.92	0.93	0.92	0.93	0.9	0.85	0.85	0.85	0.93	0.85	0.91	0.93	0.93	0.8	0.86	0.86	0.95	0.93	1.17	1.04
Conversion	68.96%	54.18%	54.84%	54.77%	56.76%	54.77%	50.45%	47.77%	43.86%	43.86%	54.77%	47.77%	52.14%	54.05%	52.50%	41.50%	47.03%	29.93%	52.68%	54.77%	55.75%	53.91%

Note: Withheld = Name of collector withheld but on file in our lab with test reports

Note: All collector data taken from independent testing results and held on file.

Result: The Surface Power SP501 solar collector is simply the most powerful solar collector per dollar/euro invested by the customer.

Note: All results were generated using the European Standard. Certain performance characteristics of the DFNMT technology used in the SP501 are not captured by this standard; but even as the SP501 is highly powerful; it is in fact even more powerful than appears in the results above.

Compare this collector with the SP501

Secondary Analysis

While it is very important to achieve a breakthrough in performance, it is also important to quantify all other advantages you get with the SP501

High Power Solar Hot Water Collector. The DFNMT (Direct Flow Non Metal Transfer) Technology gives you many other advantages.

The additional advantages are listed below.

Collector type	SP501	Regular Vacuum	Flatplate
Life span	Up to 50 years	Up to 20 Years	12 Years
Assembly required	No	Yes	No
Lightweight	Yes	No	No
Wind Resistant	Yes	Depends	No
Low cost installation	Yes	No	No
Quick installation	Yes	No	No
Expensive flashing required	No	No	Yes

The Surface Power SP501 is not just powerful. It is also a long life collector which can be installed easily at low cost.

QUALITY and PERFORMANCE which lowers the cost of installation !!!

SP501, the latest solar thermal technology.