

More value from the Sun!

eosth
solar energy catcher



greenetica
distribution



www.greeneticadistribution.com
info@greeneticadistribution.com



The World Leader in Solar Thermal Concentration.

Efficiency

- The highest Solarkeymark rating in the world Certificated at 91%.
- Very original Biaxial Solar Tracker. 100% stable day and night.
- Maintains all functions over the long term with minimal and simple maintenance. Very cost efficient.
- EOSTH produces the exact temperature you require up to 100 degrees.



No Equal:

EOSTH has left Flat panels a long way behind.
Concentrator efficiency, yield, and life span are far higher.

Savings

EOSTH simply saves you money all the way round!!
Processes where this has proved to be the case.

Domestic Hot Water - Heating - Air Conditioning - Drying - Steam Generation - Pasteurization - Industrial Washing - Desalination - Chemical Dehumanisation - Recovery and Enhancement of Thermal Waste

Who Can Benefit:

Everyone and Anyone who uses Energy.
Farms - Greenhouses - Sports Centres - Local Communities - Hotels and the whole hospitality industry. The whole Agro-Food processing industry - Garden Centres - Laundries – Commodity Stores
Any Factory that uses power e.g. Textiles – Paper Conversion – Chemicals – Vehicles



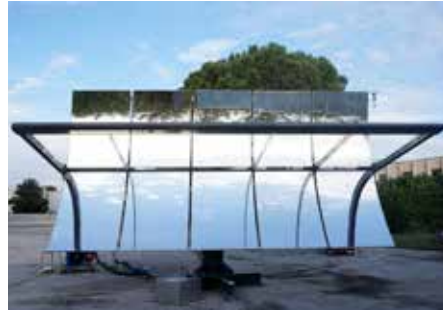
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The Future is Green

More and more people think about the environment and the future of our planet - many governments recognise this and incentivise projects like ours with tax benefits and other national support.

EOSTH has been able to demonstrate the advantages of our philosophy and how it is possible to maximise on this potential.

For example a Standard EOSTH installed in Italy generated approx. 30,000 kilowatts per year and avoided about 6-8 tons of carbon dioxide and fine dust getting into the atmosphere. We are very proud of this result.



For the Environment and our Children's Future

- Long – term sustainable technological solutions.
- Minimum of 30 years life cycle of the product without any loss of performance.
- Dramatically reduces CO2 and fine dust emissions in the environment.
- Improves the quality of the working environment by reducing fumes and noise.
- Ability to recover the use of marginal areas around buildings.
- By making products and services more ecological the perceived value and the enjoyment of the final product and/or service increases substantially.

Some Commercial advantages

- Reduce fuels costs substantially.
- Extend the life of your existing equipment particularly a boilers life cycle.
- Product life cycle minimum 30 years without loss of performance. Commercial as well as environmental advantages.
- Contain the maintenance costs of the system in general
- Makes production process's much more sustainable.
- Improve your Companies standing in the market and it's corporate image.
- Benefit from important non-repayable government and local authority contributions and/or tax benefits. e.g. In Italy the Thermal Account 2.0, 130% super-amortization, tax deductions

EOSTH is an Italian invention.
Designed and manufactured In Italy
by people who understand
and care.



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EOS TH datasheet

Description	Unit	Value	
		EOS TH	
Concentration ratio (geometrical)	-	144	
Single collector Area AG/Aa	m ²	3,86 / 3,72	
EOS TH Number of mirrors	nr.	10	
Total gross area of the mirrors	m ²	3,863x5 = 19,315	
Tracking technology	biaxial	-	
Azimuth range	degrees	0 / 270°	
Elevation range	degrees	-15 / +90°	
Tracking control	Solar Position algorithm + Sun sensor feedback loop*		
Pointing accuracy	<0,05°		
Operating ambient temperature	°C	- 20 > + 55	
Thermal modules	Nr.	5	
General data			
0° Thermal peak power	kWth	3,51x5 = 17,55	
Fluid	Glycol solution		
Maximum temperature fluid	°C	100°	
Stagnation temperature	°C	160°	
Maximum operating pressure	kPa	200	
Thermal data			
Operating wind speed (max)	km/h	40	
Permissible wind speed (max)	km/h	130	
Weight (foundation and accessories excluded)	kg	1.700 / 1,700	
Height in operation	m	4,2	
Depth	m	3,0	
Width	m	6,2	
Physical dimensions			
0° Thermal	90,9% DNI		
Single collector energy Qsol (50°C) / Athens	kWht/anno	4776	
Single collector energy Qsol (75°C) / Athens	kWht/anno	3978	
Annual output per m2 gross area / Athens	kWht/m2anno	1236,34	
Efficiency			

*Available under request

Range of colors

RAL 9010 white
RAL 7016 dark gray
RAL 6005 green
RAL 5012 light blue

Solarkeymark Kiwa N° 16223 Rev.0. Test report ENEA N° RP.2019.COL.204.2



Centro Ricerche Tisala

LAB N° 1659

Potenza del singolo collettore / Single collector power

Potenza di picco (G = 1000 W/m²) per singolo collettore:
Single collector peak power (G = 1000 W/m²):

3510 W_{peak}

T _m - T _a [K]	Radiazione diretta / Direct normal irradiance (DNI)		
	400 W/m ²	700 W/m ²	1000 W/m ²
0	1404	2457	3510
10	1374	2427	3480
30	1245	2298	3351
50	1023	2076	3129
70	709	1762	2815
90	302	1355	2407

Produzione media annua attesa Italia / Yearly Average estimated output - Italy:		
	kWth	30.000
Equivalenti a / Equivalent to:	Altri combustibili / Other fuels	CO ₂ Kg Emissioni / Emission
Metano/CH ₄	Smc 3.146	6.300
GPL/LPG	Lt 4.603	7.200
Gasolio/Diesel	Lt 3.272	8.400
Legna (25%)/Wood (25%)	Kg 7.819	1.500

Fonti / Sources: Bologna Chamber of Commerce / ENEA