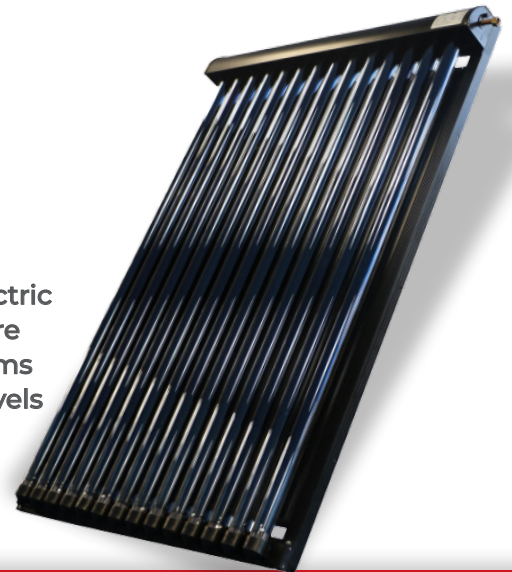




Introducing the next generation of high temperature and high performance residential & commercial renewable heating, electricity & cooling solutions

HONE 501 TE Thermal Electric Panels (PVT)

HONE® Series 501 Thermal Electric Panels (PVT) with proprietary nanotechnology innovation for high performance heating, cooling & electricity make it the leading choice for both residential and commercial renewable heating, cooling and electricity applications. The weather protected aluminium exterior in all black keeps the product looking fresh with a 50 year design life. HONE® thermal/electric systems are tuned to harvest daylight rather than sunlight so they are optimised for the built environment. HONE® Thermal/Electric Systems have unrivalled winter performance and performance in low light levels which makes them ideal for all year round renewable production.



- ALL BLACK
- MARINE GRADE
- DAYLIGHT OPTIMISED
- STRONG & DURABLE
- 20 YEAR HONE WARRANTY
- Premium Class Protective Coated Aluminium

Performance
High output under low light conditions using advanced nanotechnology

Versatility
Salt mist corrosion resistant, perfect for harsh marine climatic conditions

Reliability
Durable and reliable panels due to stringent quality control measures, testing and strict selection of raw materials and components

Design and Innovation
HONE is committed to innovation and constantly working to provide the most advanced renewable technology, with a 50 year design life

Warranty

- Up to 20 Year Warranty
- 50 Year Design Life
- Fully Recyclable

Certifications

IEC 61215, IEC 61730, CE, IEC 62804 (PIO Free), UL 1703, J-PEC, PY CYCLE, IEC/EN 61701, IEC 62716 ISO 9806, EN12975, Solar Keymark, Flexi-Orb (UK), MCS (UK), SEAI (IE), BAFA Germany Keymark FR, Keymark ES, Keymark NL, Keymark DE, Keymark, Keymark PL, Keymark IT, Keymark CH, Keymark AT, SRCC USA, OG-100, OFGEM, ACA, Triple-E, NZS/AS



TÜVRheinland®
Precisely Right.

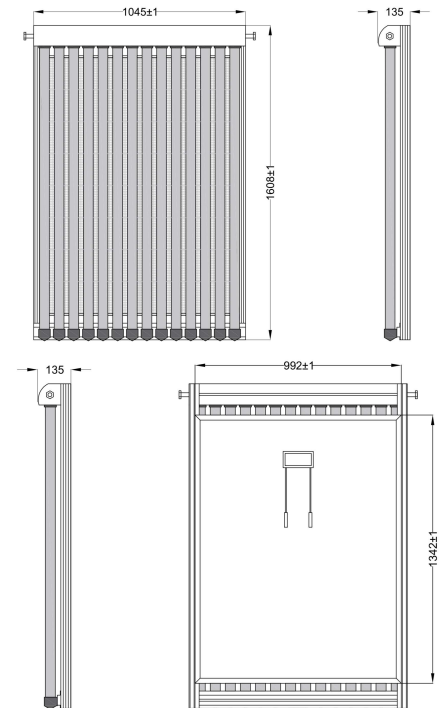
Technical Data

Please follow the correct install design methodology by downloading the drawings and diagrams from our website.

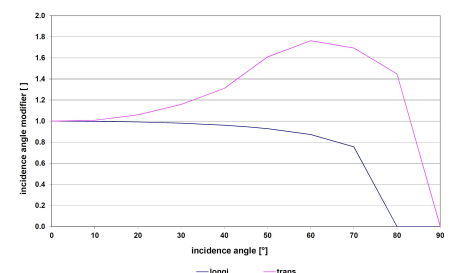
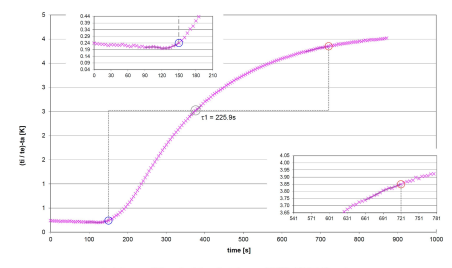
Thermal Specifications

Model	
Technology	HONE 501TE (thermal/electric)
No of tubes	14
Gross Area	1.69 m ²
Aperture	0.88 m ²
Dimensions	1608 mm x 1045 mm x 135 mm
Connections	15 mm
Weight	46.5 KG (Total TE Weight)
Volume	1.92 L
Mountings	Any type: wall, ground, pitch, flat
Nominal flow rate	240 L/H
Max Op pressure	1 MPa
Max temperature	150° C
Stagnation	254.4° C.
Tilt angle	15° to 90° from horizontal
Pressure Drop	At flow rate 3.0 L/min 26.6 mBar
Angle of Tilt	0° to 90° from horizontal
Max recommended continuous wind load	80 mph (36 m/s)
Permissible snow load	500 mm (see page 23)
NOa	0.75
A1	2.368
A2	0.000
IAM	1.13

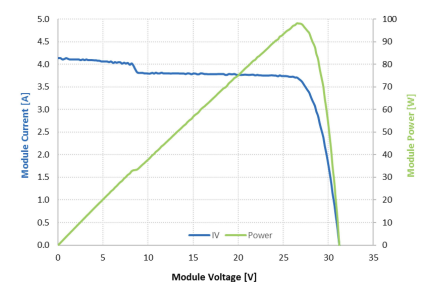
Panel Diagram:



Thermal Curves:



Electrical Curves:



Electrical Specifications

Front cover (material / thickness)	low-iron tempered glass/ 3.2mm
Backsheet (color)	black
Cell (quantity/ material / dimensions)	48 I monocrystalline silicon / 156 x 156mm
Frame (material / color)	black
Junction box (protection degree)	>IP65
Cables & Plug connectors	900mm I 4mm' & MC4 compatible / IP67
Electrical Rating	100w(p) +/-3%
Thermal Rating / Output	912w(p) / 918 kWh/sqm aperture (Wurzburg)

Packing Details

Container	20'GP	40'HQ
Pieces per pallet	--	--
Pallets per container	-	--
Pieces per container	70	165