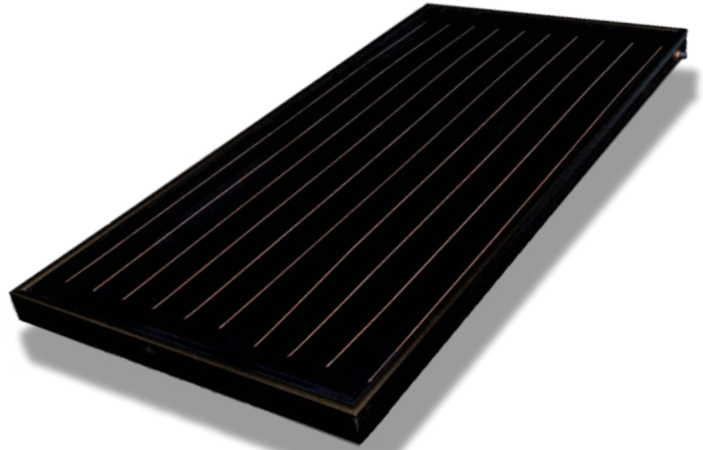


ENSOL ON-ROOF COLLECTOR ES1V/2.B



A REAL ON-ROOF COLLECTOR, DESIGNED FOR ON-ROOF MOUNTING

ENSOL, have been involved in the solar industry for the past twenty years. The ES1V series is at the heart of ENSOL's core products, offering an exclusive on-roof collector. The ES1V's high selective absorber surface, coupled with the formed side profile, make the panel strong and sleek with a modern design. The ES1V series offers a higher performing thermal flat plate with exceptional quality.

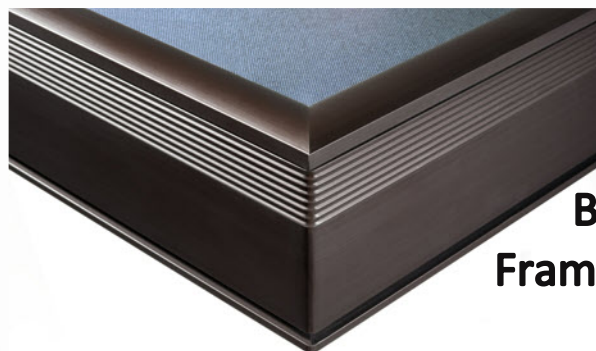


WHY ENSOL:

- A High Performing Solar Thermal Collector
- Designed specifically for On-Roof Mounting (not an adapted in-roof collector)
- Sleek design with durable dark brown frame
- High efficiency due to the high selective absorber surface technology
- Outer casing profile is produced from one folded piece of aluminium profile, giving extra strength as well as a modern design - no rivets or plastic corners.
- Double Harp absorber gives an even heat pick up across the whole absorber
- Anti-corrosion materials used to ensure a long-life and greater performance.
- Ultra Thick 4mm Solar Prismatic Glass

SIZING

COLLECTOR	INFORMATION
Size	1006mm x 2007mm x 85mm (W x H x D)
Weight	38Kg
Surface Area	2.02m ²
Zero Loss Efficiency η	77%
Heat Loss Coefficient	4.034W/(m ² K)
Coefficient A2	0.010W/(m ² K ²)
Connection	22mm Copper Pipe ϕ
Housing	Aluminium
Cover	4mm Solar Prismatic Glass



**Sleek
Durable
Dark
Brown
Frame**

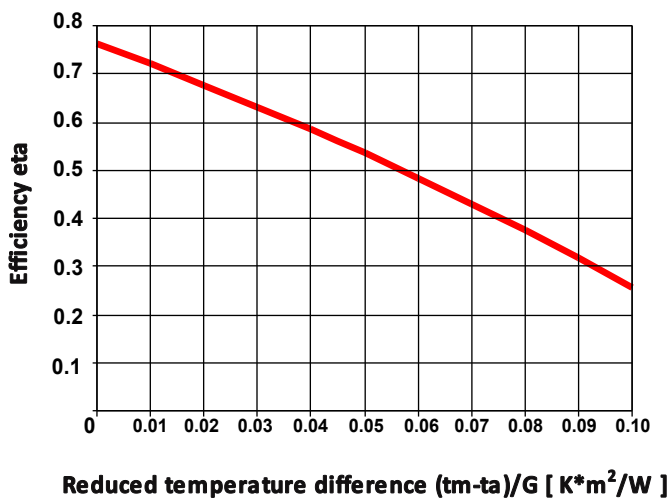


APPROVED TO EN 12975
SOLAR KEYMARK NUMBER:
011-7S544 F

ABSORBER

ABSORBER	INFORMATION
Absorber Type	Copper Sheet, 0,2mm In Thickness
Single / Double Harp	Double Harp absorber
Selective Layer	Bluetec, Eta Plus, Sunselect
Production Technology	Ultrasonic Welded
Absorption Coefficient	95%
Emission Coefficient	5%
Absorber	990mm X 1990mm (W X H)
Absorber's Surface	1.86m ²
Liquid Content	1.8Ltr
Stagnation Temperature	208°c
Guaranteed Minimal Thermal Output	525kwh/m2· Year
Recommended Flow	60 Ltr Per Hour
Permissible Flow	50-220 Ltr Per Hour

COLLECTOR EFFICIENCY CURVE



ON-ROOF FIXINGS:



FLAT ROOF STAND:

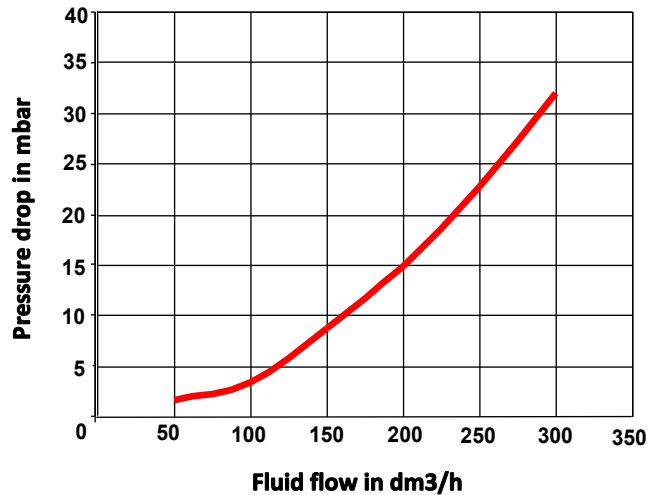
HEAVY DUTY ALUMINIUM FLAT SURFACE FRAME WITH ADJUSTABLE INCLINATION



INSULATION

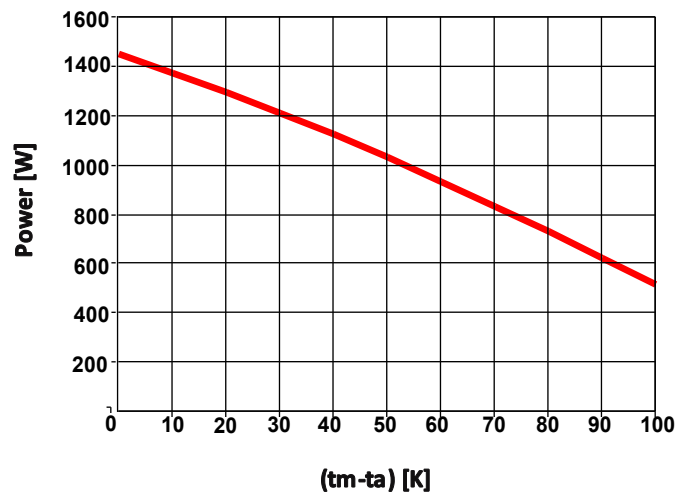
INSULATION	INFORMATION
Type of Insulation	Mineral wool
Conduction coefficient	0.035w/mk
Lower thickness	40mm
Lateral thickness	10mm

PRESSURE LOSS DEPENDING ON THE FLOW RATE



COLLECTOR CAPACITY

(for G=1000 W/m³)



GO GREEN, GO ENSOL

