

©SunZinc is a BIPV module, designed to combine the advantage of having a durable zinc roof and producing CO2- free electricity using solar cells.

You install a roof and solar cells at the same time to reduce the total costs of installation.

SunZinc is an economical and environmental good solution if you want to produce green electricity using solar cells in your roof.

The heat generated in the cells is easily transferred through to the metal sheet, which minimizes the loss of energy and ensures the optimum performance of the cells. The metal sheet functions as a cooling element, in order to prevent energy loss.

Design

The 5" mono crystalline cell is suitable for all applications – small homes BIPV to large scale power plant roofs. The cells lie behind hardened-glass protective glazing and are embedded in transparent EVA. The rear of the module is sealed using a high quality insulated and transparent back sheet. The Back sheet is also available in black or white colors.

**25 years
guarantee**

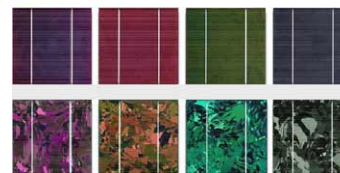
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Danish Solar Energy Ltd www.dansksolenergi.dk



**Quality
without
compromise**

Option. Color cells



Datasheet for SunZinc© HEM-36M5Z 70Wp – 95Wp

With our State-of- the- art new production facility in Denmark, Danish Solar Energy ensures the highest quality possible for its modules.

Cells per module: 36
 Cell type: Square / mono
 Cell dimensions: 125 x 125 mm²
 Weight: 7,1 kg

Modules have international certification IEC 61215, Safety class EN 61730

Characteristics for the characterisation of the thermal behaviour

NOCT: 46°C * TK I_{sc} 0,036 %/K, TK V_{oc}: -0,33 %/K

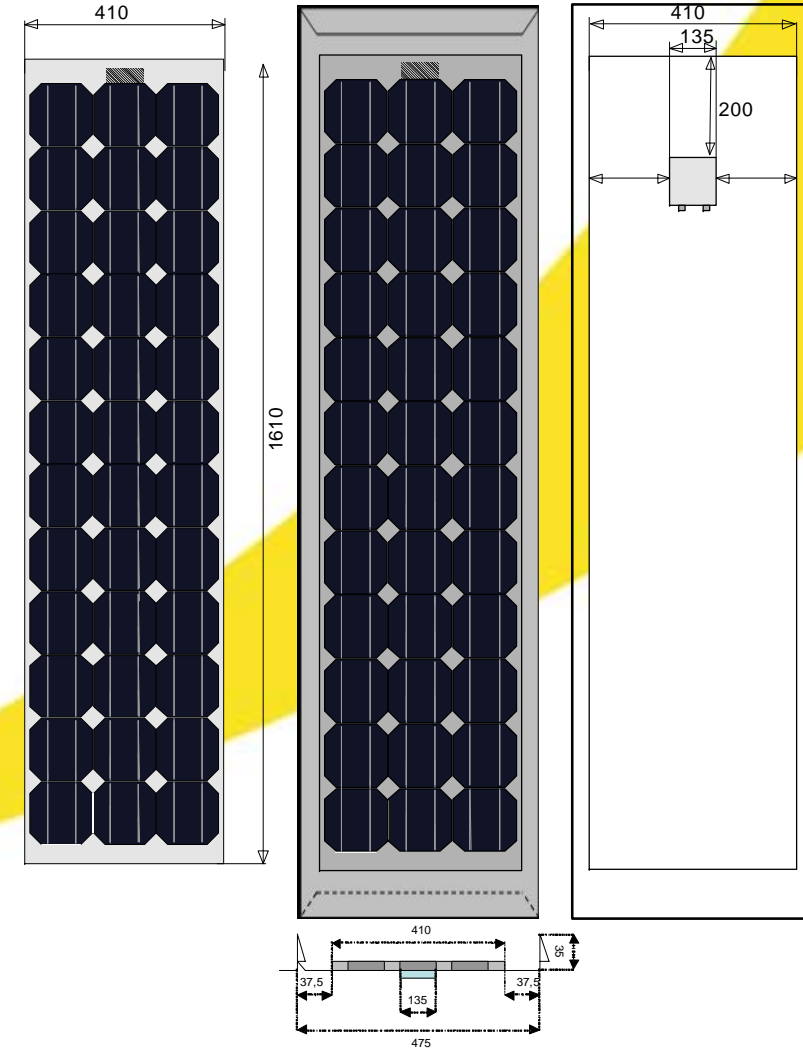
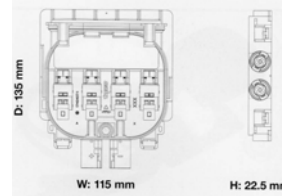
Junction box model Tyco medium box.
 With 2 bypass diode.

Power specification - Performance under standard test conditions (STC)

1000 W/m ² ,NOCT,AM 1,5		36M5Z70	36M5Z75	36M5Z80	36M5Z85	36M5Z90	36M5Z95
Peak power (Wp):	P _{max}	70 Wp	75 Wp	80 Wp	85 Wp	90 Wp	95 Wp
Open circuit voltage	V _{oc}	21,5 V	21,5 V	21,5 V	21,5 V	21,5 V	21,5 V
Max power voltage	V _{mpp}	17,5 V	17,5 V	17,5 V	17,5 V	17,5 V	17,5 V
Short circuit current	I _{sc}	4,5 A	4,7 A	4,94 A	5,18 A	5,66 A	5,90 A
Max power current	I _{mpp}	4,28 A	4,41 A	4,64 A	4,86 A	5,31 A	5,54 A

Rated power and maximum tolerance

70 - 95: +- 3%
 Connecting socket: IP 65
 Maximum system voltage 1000V
 25 years 80% production guarantee
 5 years product guarantee.



Design

The cells lie behind hardened-glass protective glazing and are embedded in transparent EVA. The rear of the module is sealed using a high quality TPT transparent back sheet, Other colors white and black. And with out frames and suitable for mount on all f. ex. metal roofs.

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Distributor

HEM photovoltaic is owned by Danish Solar Energy Ltd. We have been in the photovoltaic modules production since 1993 and are considered as one of the pioneers. All our high quality modules are produced in Scandinavian and they always comes with optimal performance.