

Top Quality modules produced in Denmark

Option – choose between white, black or transparent backsheet. Silver or black frame or no frame at all.

HEM Photovoltaic offers a high quality series of modules produced in Scandinavian. The unique, automated production process ensures the highest level of precision and consistently high production quality. The machine finishing produces a highly homogeneous design.

The top quality monocrystalline 5" cells lie behind a 3,2 mm hardened-glass glazing and are embedded in transparent EVA (ethylene-vinyl-acetate). The back of the module is sealed with a very high quality Tedlar film. The module stability is the result of the deep inset of the glass in the frame and its continuous bond between the two.

The flat and compact connecting socket is mounted on the back of the module. The connecting socket has no hollow cavities, is watertight, resistant to UV radiation and microbes, as well as very temperature resistant. This flat and compact top-quality product represents the ideal solution for every application

5 Years Limited PV Modules Warranty

HEM Photovoltaic warrants the PV Module(s) to be free from the defects and/or failures specified below for a period not exceeding five (5) year from the date of sale to the original customer - ("Customer"):

- 1) defects and/or failures due to manufacturing;
- 2) defects and/or failures due to materials;
- 3) cracking of the front glass surface due to foreign objects inside the glass;

Note: This limited warranty shall exclude cracking of the front glass surface due to external shock from flying objects or external stress or transportation damages.

- 4) Non-conformity to specifications due to faulty manufacturing and/or inspection processes. If the PV Module(s) fails to conform to this warranty, HEM will repair or replace the PV Module.

Limited Power Output Warranty of 25 years (90%- 80%)

HEM Photovoltaic warrants:

- within the first 10 years from the date of sale to the Customer, the PV Module(s) exhibits a power output of less than 90% of the original minimum rated power specified at the time of sale (Power peak minus the power tolerance %);

- within 25 years from the date of sale to the Customer, the PV Module(s) exhibits a power output of less than 80% of the original minimum rated power specified at the time of sale

*The power output values shall be those measured under HEM standard measurement conditions as follows:

- Light spectrum of AM 1.5; - irradiation of 1,000w per m²; - cell temperature of 25 degrees Centigrade.



Datasheet for HEM 36M5F- 70Wp – 95Wp Without frame HEM 36M5- 70Wp – 95Wp

White, transparent or black backsheet

Physical Specifications for version 12V

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

international certification IEC 61215,
Safety class II and EN 61701

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.

Characteristics for the characterisation of the thermal behaviour

NOCT: 46°C * TK Isc 0,036 %/K, TK Voc: -0,33 %/K

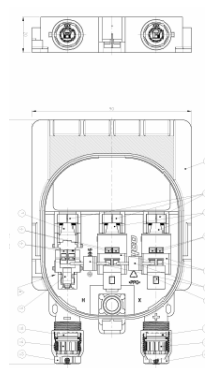
Modul size: 1229 x 556 x 34 mm

Junction box with cables and waterproof connectors, model Tyco. Cables length cm 60.

With 2 bypass diode.

Power specification for version 12V - Performance under standard test conditions (STC)

1000 W/m ² ,NOCT,AM 1,5		HEM 70	HEM 75	HEM 80	HEM 85	HEM 90	HEM 95
Peak power (Wp):	Pmax	70 Wp	75 Wp	80 Wp	85 Wp	90 Wp	95 Wp
Open circuit voltage	Voc	21,5 V	21,5 V	21,5 V	21,5 V	21,5 V	21,5 V
Max power voltage	Vmpp	17,5 V	17,5 V	17,5 V	17,5 V	17,5 V	17,5 V
Short circuit current	Isc	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

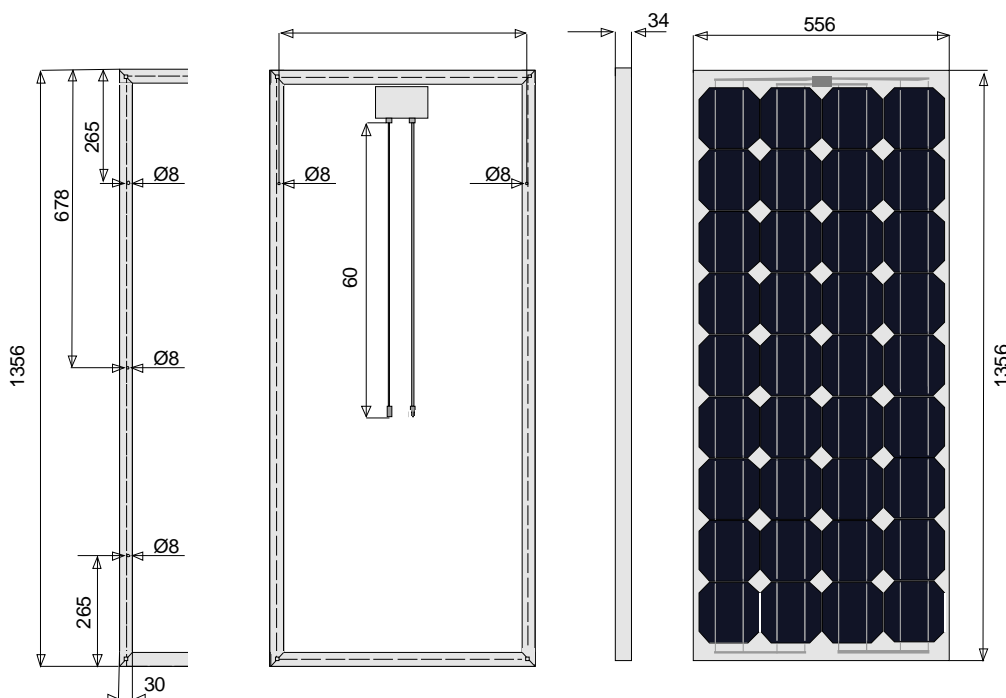


Caution

Back of module cabling

- 1) +cable into +plug in junction box
- 2) -cable into -plug in junction box

Note: Always check installation manual



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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.