

HEM - Photovoltaic



**Top quality PV modules
Made in Denmark since 1993**

Dansk Solenergi ApS - Danish Solar Energy Ltd. HEM photovoltaic Panels

We have been producing photovoltaic modules since 1993 and our company is considered as one of the world's pioneers. Our high-tech full-automated factory in Denmark is capable of producing top quality panels for highly competitive prices.

HEM PV 60M6F270-290

Choose reflection value RHEM 200, 400 or 600 (see reflection report)

- The unique and fully automated production process at our factory in Denmark ensures a high level of precision and consistently high production quality.
- Our high-tech finishing machine produces a highly homogeneous design.
- The 6" Mono cells lie behind a 4 mm hardened-glass glazing embedded in a transparent EVA (ethylene-vinyl-acetate). The backside of the module is sealed with a very high quality back-sheet film. The module stability is the result of the deep insert of the glass in the frame.
- The flat and compact connecting socket is mounted on the back of the module. The connecting socket has no hollow cavities. It is watertight, resistant to UV radiation and microbes, and very temperature resistant. This flat and compact top-quality product is an ideal solution for every application.



12 Years Limited Warranty on Material and Manufacturing of PV Module.

25 years Linear Performance Warranty, 90% output power within first 10 years, 80% within 25 years



All modules are produced according to International certifications IEC 61215, Safety class II and EN 61730

Datasheet for HEM 60M6FXXX (270-290Wp)

Physical Specifications for version 24V

Cells per module: 60
 Cell type: Mono - Crystalline
 Cell dimensions: 156 x 156 mm²
 Weight: 18 kg
 Frame: Clear anodized aluminium
 Glass: Tempered glass (EN 12150)

Rated power and maximum tolerance
 270 - 290 : 0 - + 3%

Connecting socket:
 IP 65
 Plug: type 4

Maximum system voltage 1000V

25 years production
 80% Warranty

12 years product Warranty.

Characteristics for the characterisation of the thermal behaviour

NOCT: 46°C * TK I_{sc} 0,034 %/K * TK V_{oc}: -0,34 %/K

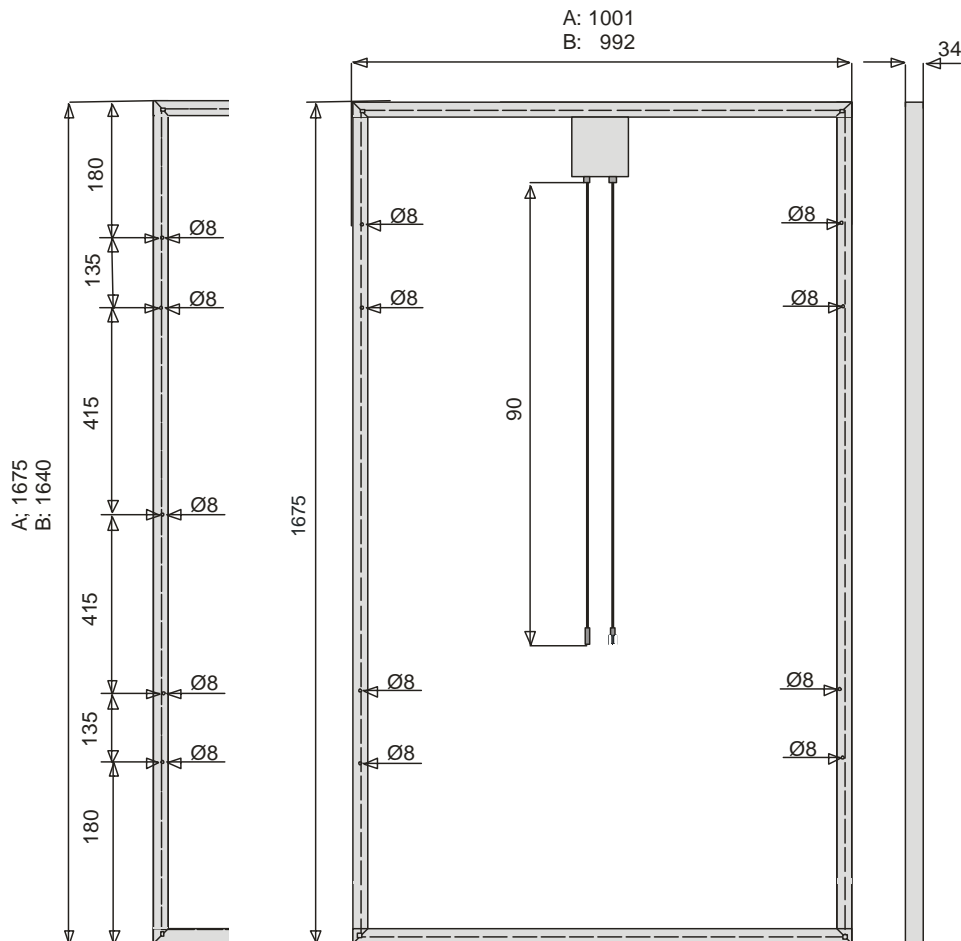
Module size: 1675 x 1001 x 34 mm

Junction box with cables and waterproof connectors, model MC4/Tyco. Cables length is 90cm.

With 3 bypass diode.

Power specification for version 24V - Performance under standard test conditions (STC)

1000 W/m ² , NOCT, AM 1,5 (60M6-)	-F270	-F275	-F280	-F285	-F290
Peak power (Wp): P _{max}	270 Wp	275 Wp	280 Wp	285 Wp	290 Wp
Open circuit voltage V _{oc}	38,65 V	39,06 V	39,12 V	39,17 V	39,23
Max power voltage V _{mpp}	30,45 V	30,96 V	31,42 V	31,86 V	32,26
Short circuit current I _{sc}	9,13 A	9,18 A	9,29 A	9,54 A	9,77
Max power current I _{mp}	8,78 A	8,9	8,93 A	8,95 A	8,99



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