



**Enecom**

*Light energy*

[www.enecom-hf.com](http://www.enecom-hf.com)

**2007**

Enecom Italia Srl was founded;

**2008**

Enecom Italia obtains its first international patent for the creation of flexible crystalline photovoltaic panels and launches production;

**2009**

Enecom initiates scientific cooperation with the Polytechnic University of Turin and the Fiat Research Centre

**2010**

Enecom Italia becomes part of the Polo Polibre of Rivalta Scrivia, often with the role of industrial development project leader.

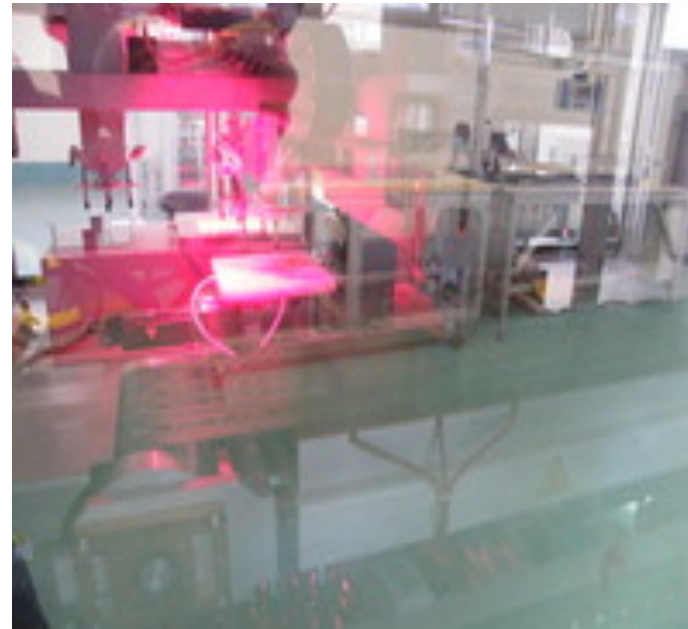
**2011**

Enecom Italia reaches overall installed power of 1MW;

**2012**

Enecom Italia and En-eco SpA institute Enecom Srl, thus giving life to an ambitious industrial project with the aim of acquiring an 8MW production line in Florence. Enecom starts industrial production of its own flexible crystalline photovoltaic panels.

project. Enecom began producing its flexible crystalline solar panels on a new production line of 8 MW in Florence.





Enecom panels are the first mono crystalline flexible modules appeared on the market. They are:



- ❑ **very light** (2kg/sqm or 0.4 lb/sqin)
- ❑ **very thin** (1.7 mm of thickness)
- ❑ **flexible**
- ❑ **very efficient** (their efficiency is twice as high as that of thin film panels)
- ❑ **totally recyclable**
- ❑ **certifications** IEC61215 e IEC61730
- ❑ **patent** N 2294626.

|   | HF20                                      | HF <sub>p</sub> 20    | HF <sub>p</sub> 40    | HF 40                                | HF <sub>s</sub> 40 | HF <sub>s</sub> 65 | HF80        | HF 90      | HF 130     |
|---|---|-----------------------|-----------------------|--------------------------------------|--------------------|--------------------|-------------|------------|------------|
| Potenza max*<br>$P_{max}$<br>( $W_p$ ) $\pm$ 3% | 20  | 20                    | 40                    | 40                                   | 40                 | 65                 | 80          | 90         | 130        |
| Tensione circuito aperto $V_{oc}$ (V)           | 19,63                                     | 19,63                 | 19,63                 | 19,63                                | 19,63              | 20,04              | 19,63       | 22,09      | 20,04      |
| Corrente corto circuito $I_{sc}$ (A)            | 1,33                                      | 1,33                  | 2,67                  | 2,67                                 | 2,67               | 4,21               | 5,35        | 5,35       | 8,42       |
| Tensione a $P_{max}$<br>$V_{mp}$ (V)            | 16,23                                     | 16,23                 | 16,23                 | 16,23                                | 16,23              | 16,76              | 16,23       | 18,26      | 16,76      |
| Corrente a $P_{max}$<br>$I_{mp}$ (A)            | 1,24                                      | 1,24                  | 2,48                  | 2,48                                 | 2,48               | 3,92               | 4,97        | 4,97       | 7,85       |
| Dimensioni<br>(b x h) (mm)                      | 620 × 272                                 | 320 × 280<br>(chiuso) | 560 × 280<br>(chiuso) | 604 × 536                            | 1120 × 282         | 1370 × 344         | 1104 × 536  | 1230 × 536 | 1350 × 660 |
| Spessore (mm)                                   | 1,7                                       |                       | 1,7                   |                                      |                    |                    |             |            |            |
| Peso (kg)                                       | 0,5                                       | 0,6                   | 0,9                   | 0,8                                  | 0,8                | 1,2                | 1,3         | 1,5        | 2,2        |
| Tensione max di sistema                         | 600                                       |                       |                       |                                      |                    | 1000               | 600         | 600        | 1000       |
| Efficienza cella                                | Mono 17,25%                               |                       |                       |                                      |                    | Mono 18%           | Mono 17,25% |            | Mono 18%   |
| Terminali d'uscita                              | Cavo bipolare con presa accendisigari 12V |                       |                       | Cavo con cettori standard MC4        |                    |                    |             |            |            |
| Applicazione tipica                             | Ricarica dispositivi elettronici          |                       |                       | Sistemi stand alone con accumulatori |                    |                    |             |            |            |

**caravans  
and boats**



**automotive**



**shelters**



**industrial building**



**leisure**



**lighting**

