

## eco line 72/ 180-190W

### Monocrystalline Module Family



Fig. similar

10

years with 100%  
product guarantee

12

years guarantee at  
90% rated performance

25

years guarantee at  
80% rated performance



The flexible and versatile modules have dimensions with a ratio of 1:2. These are ideal to install the modules outdoors or on a trapezoidal panel.

The 72-cell Luxor Solar Module achieves a very high energy yield since high-quality solar cells have an efficiency of 17% and outstanding weak-light performance.

This module has an excellent positive power tolerance peaking up to +6.5 Wp.

The torsionally rigid and corrosion-free cavity frame made of anodized aluminium is compatible with all commercially available assembly systems.

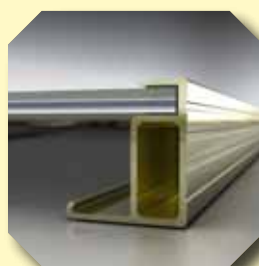
Once again, the solar energy equation is simple:

„Light + Value = Luxor“

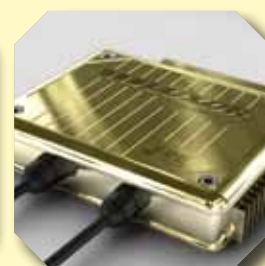
#### Luxor Quality

The Luxor brand stands for advanced solar modules with German engineering quality and long-term value retention at an excellent price-performance ratio.

- up to +6.5 Watt positive power tolerance
- IMP sorting
- special packing to avoid Micro Cracks



Sturdy anodized aluminium frame in cavity construction. High supporting and installation properties because of the soft-grip seam.



The Aluminium anodized junction box\* of the German manufacturer FPE Fischer results in optimal cooling of the diodes and offers maximum security against damage through overheating.

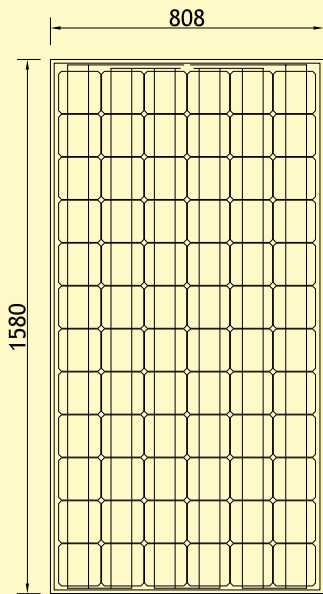
\*available on request, standard: plastic



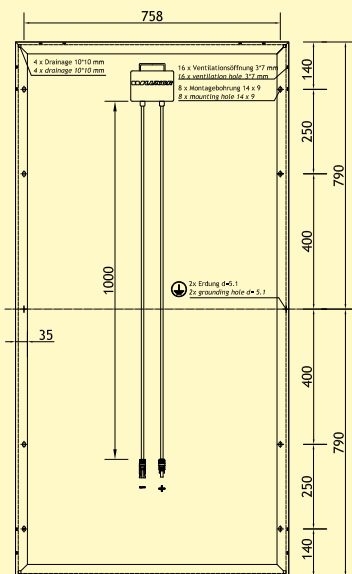
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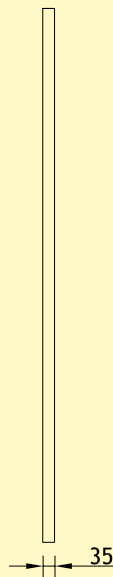
Front view



Back view



Side view



| Electrical data                           | LX-180M              | LX-185M              | LX-190M              |
|---|----------------------|----------------------|----------------------|
| Rated power P <sub>mp</sub> [Wp]          | 180.00               | 185.00               | 190.00               |
| P <sub>mp</sub> range                     | 181.50 - 186.49      | 186.50 - 191.49      | 191.50 - 196.49      |
| Rate current I <sub>mp</sub> [A]          | 5.03                 | 5.14                 | 5.26                 |
| Rated voltage U <sub>mp</sub> [V]         | 35.83                | 36.00                | 36.18                |
| Short-circuit current I <sub>sc</sub> [A] | 5.53                 | 5.62                 | 5.71                 |
| Open-circuit voltage [V]                  | 43.35                | 43.58                | 43.81                |
| Efficiency $\eta$                         | $\varnothing$ 14.01% | $\varnothing$ 14.50% | $\varnothing$ 14.88% |
| Maximum system voltage                    | 1000V                | 1000V                | 1000V                |

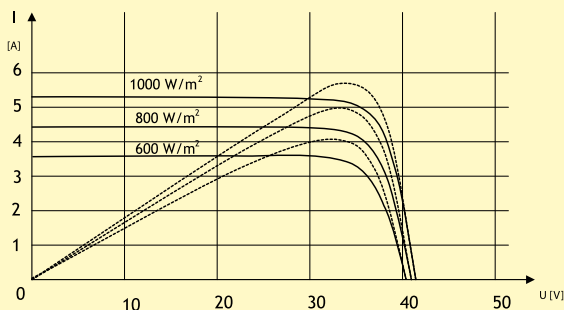
Specifications as per STC: 1000W/m<sup>2</sup>, 25°C, AM 1.5 / STC irradiance 1000W/m<sup>2</sup>,  
Module temperature 25°C, AM=1.5 · NOCT: 46°C

| Temperature coefficients     | LX-180M/185M/190M |
|------------------------------|-------------------|
| NOCT [°C]                    | 46 ± 2°C          |
| Temperature coefficients [U] | -0.35% / °C       |
| Temperature coefficients [I] | 0.05% / °C        |
| Temperature coefficients [P] | -0.49% / °C       |

| Technical data           | LX-180M/185M/190M  |
|--------------------------|--|
| Number of cells (Matrix) | 72 x 5"  |
| Cell size (mm)           | 125 x 125  |
| Dimensions (LxWxH mm)    | 1580x808x35  |
| Weight (kg)              | 15.0   |
| Glass frontside          | 3.2mm hard glass   |
| Frame                    | sturdy anodized aluminium frame in cavity construction       |
| Junction box             | 3 Bypass diodes to reduce loss in partial shadow, ventilated |
| Plug connection          | MC4 or equivalent plug system                                |
| Package size             | 26 modules/box<br>IMP classification                         |
| Snow load zone           | release SN2 (DIN 1055)                                       |

The specifications are average values and may slightly vary. The associated individual test data is authoritative. Technical specifications are subject to change without notice. Version: August 2010

### Electrical characteristics



### Certificates



Directives:  
2006/95/EG - 2006/95/EC  
89/336/EGW - 89/336/EEC  
93/68/EGW - 93/68/EEC

Your Luxor expert: