

**For a Free Quote:**

**Web: [EnergyPal.com/solar](http://EnergyPal.com/solar)**

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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**Day4 Europe srl  
D4-MC60 Ecopower  
D4-MC60-275**

Also available on the web at  
[EnergyPal.com/day4-europe-srl-solar-panels/d4-mc60-275](http://EnergyPal.com/day4-europe-srl-solar-panels/d4-mc60-275)

## MC60 Top Performance



### High Efficiency

High module conversion efficiency: up to 17.5% achieved through advanced cell technology

220MW

### Installed base

Installed base of more than 220MW of high efficiency PV modules (MC-I)



### Patents

More than 20 patents on PV cells and modules



### Performance over time

Day4 module has been installed in desert and harsh environment for many years and tested over the time



### Innovation

Day4 developed the first solar cell with distributed frontal grid : over 2100 independent electrical contacts per cell (2002)



### Company history

Day4: active on the market since 2002 with R&D activities and patents for cells contacting



### Mechanical-Electrical Characteristics

- Dimensions: 1640 x 992 x 40
- Class A PV cells: 156 x 156 mm Poly
- Weight 18.6 kg
- 3.2 mm low iron tempered front glass, anti reflecting coating
- Static load: 5400Pa front, 2400Pa back
- Anodized aluminium frame
- Output cables: 2 x 4.0 mm<sup>2</sup> 1000mm
- Connectors MC IV Compatible

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### Warranty (\*)

- Performance linear warranty: 25 years 80.7%
- 20 years product warranty (workmanship)
- (\*) Refer to Day4 Warranty Policy



### Insurance Policy

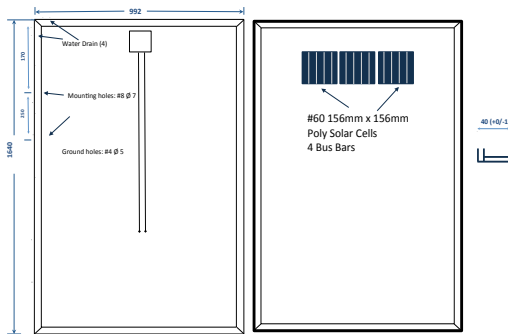
Product insured by primary European Insurance Company. Refer to Day4 Europe for details and limits



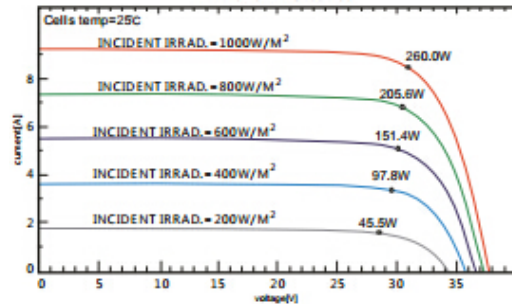
### Quality

- > IP65 rated Junction box
- Fire Class resistance: class 1 UNI 9177
- Kiwa: IEC 61215:2005
- 61730-1:2004 + A1:2011 + A2:2013
- IEC 61730-2:2004 + A1:2011
- EN 61730-2:2007 + A1:2012
- Fire Test IEC61730-2 / MST 23 Performed
- Recycle AEE n° IT1701000009671

# MC60 Poly 285



This graphical representation is not to scale.  
Data subject to change without notification



IV Curve, 260Wp

Module: D4-MC60-Ecopower	285 W/p	280 W/p	275 W/p	270 W/p	265 W/p	260 W/p	255 W/p	250 W/p
Peak power W/p	285	280	275	270	265	260	255	250
Module Efficiency	17.52	17.21	16.90	16.60	16.29	15.98	15.67	15.37
Max. Power Voltage Vmp [V]	32.03	31.88	31.74	31.61	31.48	31.35	31.18	31.02
Max. Power Current Imp [A]	8.90	8.78	8.66	8.54	8.42	8.29	8.18	8.06
Open Circuit Voltage Voc [V]	38.02	37.86	37.70	37.54	37.38	37.22	37.07	36.99
Short Circuit Current Isc [A]	9.53	9.40	9.27	9.14	8.98	8.87	8.75	8.62

## Mechanical-Electrical extended features

- Operating Module Temperature [C°] -40°C + 85°C
- Maximum System Voltage [V] 1000V DC, Application Class A
- Maximum Series Fuses Rating 15A
- Positive Tolerance: +0/5Wp (unless differently specified)
- NOCT 45 +/-2 °C
- Junction Box: MC4 comp. > IP 65
- Temperature Coefficient of Pmax Pmpp -0.41% /°C
- Temperature Coefficient of Voc -0.32% /°C
- Temperature Coefficient of Isc +0.05% /°C
- @ STC: Irradiance 1000W/m<sup>2</sup>, Cell Temp. 25°C, AM: 1.5
- Warranty Production: Linear 12 years >= 91.2%; 25 years >= 80.7%
- Product Warranty: 20 years

Data subject to change without notice. [info@d4europe.com](mailto:info@d4europe.com) for further information.  
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## Contacts & Info

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