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Solar Panel Guide Specification Data Sheet

**Day4 Europe srl
D4-MC60 Ecopower
D4-MC60-270**

Also available on the web at
EnergyPal.com/day4-europe-srl-solar-panels/d4-mc60-270

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 mm² 1000mm
- Connectors MC IV Compatible

20 / 25



Warranty (*)

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



Insurance Policy

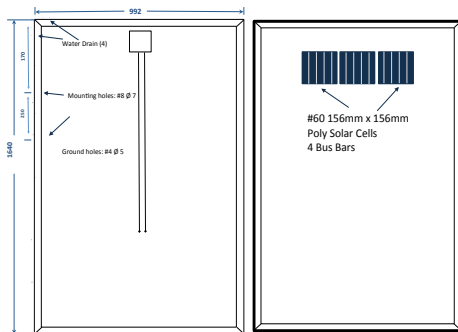
Product insured by primary European Insurance Company. Refer to Day4 Europe for details and limits



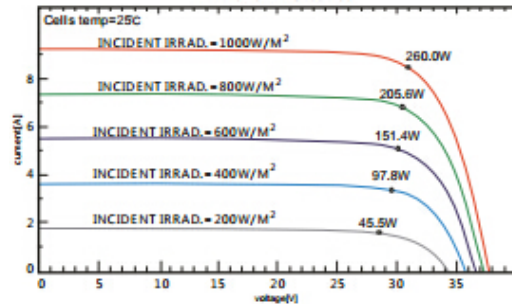
Quality

- > 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

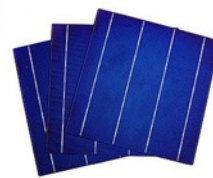


IV Curve, 260Wp

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/m², Cell Temp. 25°C, AM: 1.5
 Warranty Production: Linear 12 years >= 91.2%; 25 years >= 80.7%
 Product Warranty: 20 years



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Contacts & Info

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