

D4-MN60-Ecopower Top Performance Mono



20.0 %

High Efficiency

High module conversion efficiency: up to 20 % achieved through advanced cell technology



Patents

More than 20 patents on PV cells and modules



Innovation

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

220MW

Installed base

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



Performance over time

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



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 Mono cells: 6' Mono
- Weight 18.6 kg
- 3.2 mm low iron tempered front glass, anti reflecting coating
- Static load: 5400Pa front, 2400Pa back
- Anodized aluminium frame, silver or black
- Output cables: 2 x 4.0 mm² 1000mm
- Connectors MC IV Compatible



Warranty (*)

- Performance linear warranty: 25 years 80.7%
- 20 years product warranty (workmanship)



Insurance Policy

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



Quality / Certification

Junction Box Insulation Class JB IP67
Test report IEC 61215 – IEC 61730
Issued by TUV SUD
Fire Test IEC61730-2 / MST 23 Performed
Reg. Produttori AEE n° IT1701000009671

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Modules: D4-MN60-Ecopower	290	295	300	305	310	315
Peak power W/p	290	295	300	305	310	315
Module Efficiency	17.8	18.1	18.4	18,7	19.1	19.5
Max. Power Voltage Vmp [V]	31.97	32.26	32.54	32.76	32.91	33.06
Max. Power Current Imp [A]	9.07	9.15	9.22	9.31	9.42	9.53
Open Circuit Voltage Voc [V]	39.85	40.05	40.24	40.55	40.81	41.07
Short Circuit Current Isc [A]	9.45	9.53	9.61	9.70	9.81	9.92
D4-MN60-Ecopower: Silver Frame Model «Black»: Black Frame & Backsheet						



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 67
 Temperature Coefficient of Pmax Pmpp -0.405% /°C
 Temperature Coefficient of Voc -0.114% /°C
 Temperature Coefficient of Isc +4.10 mA/°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

Contacts & Info

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(*) Data subject to change without notice. info@d4europe.com for further information.
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