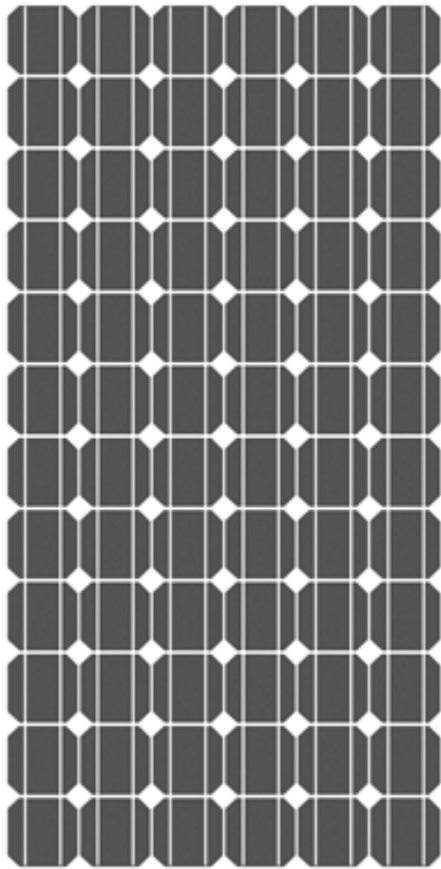


Mono-crystalline Solar Module

Engcotec EJT180 with 180 Wp

Engcotec EJT185 with 185 Wp



- High-efficiency mono-crystalline silicon cells (125 x 125 mm)
- Manufacturer's power tolerance: -0% to +3%
- Ready-made with MultiContact plugs
- Corrosion-resistant, double-layered aluminium frame
- Simple, cost-saving assembly
- Robust, flat junction box
- Tempered low-iron glass for better light transmission
- Manufacturer's power warranty:
12 years on 90% of nominal power
25 years on 80% of nominal power
- Manufacturer's product guarantee: 5 years.

Certificates

High quality standards proofed by the following certificates:

- TÜV IEC 61215.2
- TÜV Schutzklasse II
- VDE IEC 61215
- VDE IEC 61730

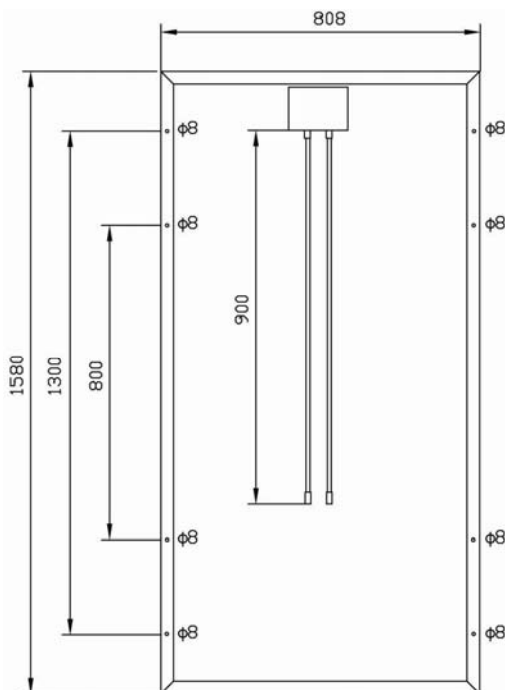
Engcotec EJT180 / EJT185

Engcotec solar modules are designed and constructed to provide high performance and reliability. We constantly improve our products to ensure product performance and reliability.

The mono-crystalline cells lie behind a hardened-glass glazing and are embedded in transparent EVA (ethylenevinyl-acetate).

Data Sheet Solar Module Engcotec EJT180 / EJT185

Electrical Data	EJT180	EJT185
Max. Power P_{MPP}	180 W	185 W
Voltage at maximum power point V_{MPP}	36 V	36.27 V
Current at maximum power point I_{MPP}	5 A	5.10 A
Open-circuit voltage V_{OC}	44.00 V	45.00 V
Short-circuit current I_{SC}	5.3 A	5.5 A



Mechanical Data	
Dimensions (L x W x H)	1580 x 808 x 40 mm
Weight	appr. 15 kg

Characteristic Data	
Cells per module	72 (6 x 12)
Cell type	mono-crystalline
Cell dimensions	125 x 125 mm
Connections	Ready-made with MultiContact plugs
Cable lengths	90 cm
NOCT	49°C

Limit Values	
Max. system voltage	1000 V
Tested wind resistance	200 km/h
Operating temperature	-40°C - +85°C

Cell Temperature Coefficients	
Open-circuit voltage $T_k(U_{OC})$	-0.34% / °C

Certificates	
VDE IEC 61215.2	TÜV IEC 61215.2
VDE IEC 61730	TÜV Safety Class II



IEC61215.2
IEC61730



IEC61215.2
Safe Class 2



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Engcotec reserves the right to make specification changes. No responsibility is taken for this information. 02/2009

Certified Quality - Engcotec Stuttgart