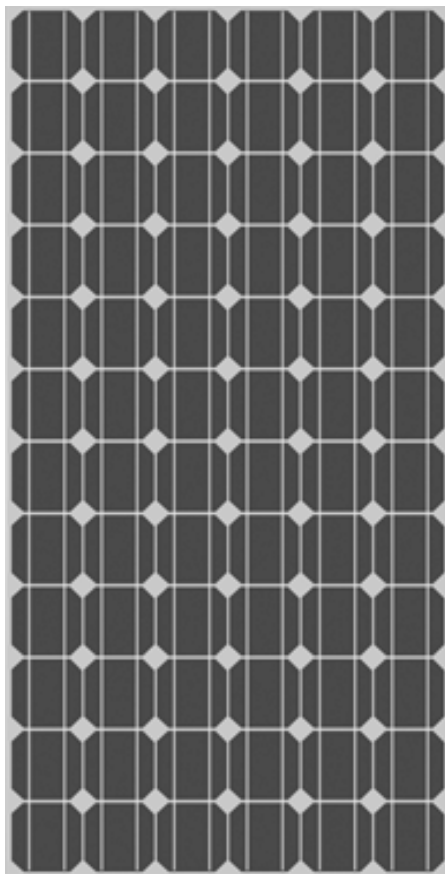


Mono-crystalline Solar Module

Engcotec HG-200S-205S

HG-200S

HG-205S



- High-efficiency mono-crystalline silicon cells (125 x 125 mm)
- Manufacturer's power tolerance: -0% to +3%
- Ready-made with Tyco 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 25 years:
12 years on 90% of nominal power
25 years on 80% of nominal power
- Manufacturer's product guarantee: 5 years.

Certificates

High quality standards proved by the following certificates:

- Produced acc. ISO 9001
- VDE IEC 61215 ed. 2
- Safety Class II

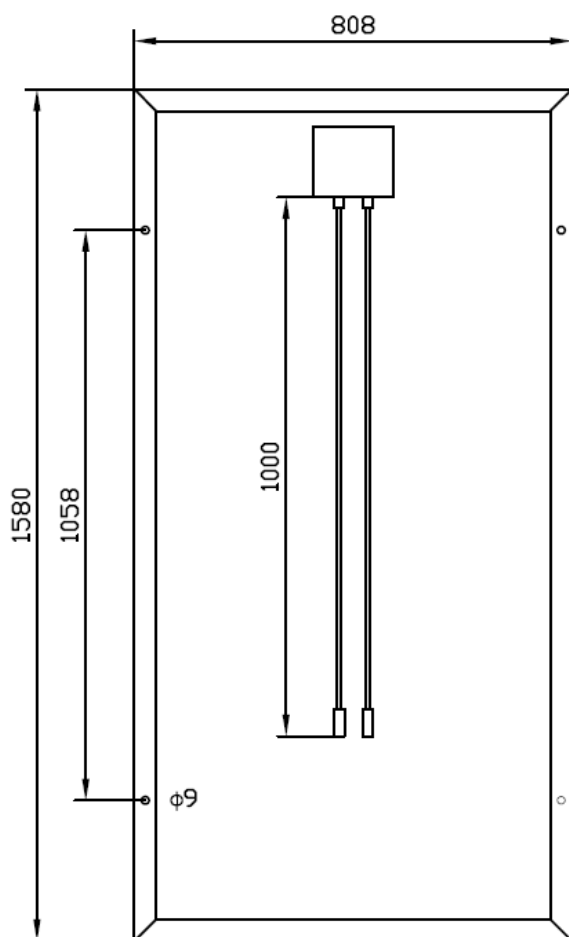
Engcotec HG-200S-205S

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 HG-200S-205S

Electrical Data	HG-200 S	HG-205 S
Max. Power PMPP	200 W	205 W
Voltage at maximum power point V_{MPP}	38.0 V	38.3 V
Current at maximum power point I_{MPP}	5.27 A	5.35 A
Open-circuit voltage V_{OC}	45.4 V	45.7 V
Short-circuit current I_{SC}	5.61 A	5.69 A
Module efficiency	15.7%	16.1%
Cell efficiency	17.9%	18.4%



Mechanical Data	
Dimensions (L x W x H)	1580 x 808 x 35 mm
Weight	appr. 14.8 kg

Characteristic Data	
Cells per module	72
Cell type	mono-crystalline
Cell dimensions	125 x 125 mm
Connections	Ready-made with Tyco plugs
Cable lengths	100 cm
NOCT	49°C

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

Temperature Coefficients	
Pm	-0.470%/°C
Isc	+0.036%/°C
Open-circuit voltage	-152mv/°C

Certificates	
VDE IEC 61215 ed. 2	
ISO 9002	



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