

Mono-crystalline Solar Module

Engcotec W1800

Power (max.):	W1800-190	190 W
	W1800-200	200 W



- High efficiency and reliability for diverse grid and off-grid applications
- The rated power may vary by: +/- 5%
- Corrosion resistant aluminium frame
- Tempered low iron glass for better impact resistance and better light transmission
- Junction Box with 3 built-in bypass diodes
- Performance warranty:
 - 10 years on 90% of peak power
 - 25 years on 80% of peak power
- Product guarantee: 2 years
- Mono-crystalline solar cells:
 - 156mm x 156mm

Certifications

High quality standards proofed by the following certifications:

- ISO 9002
- ESTI-IEC 61215 (ISPR)
- CE Label

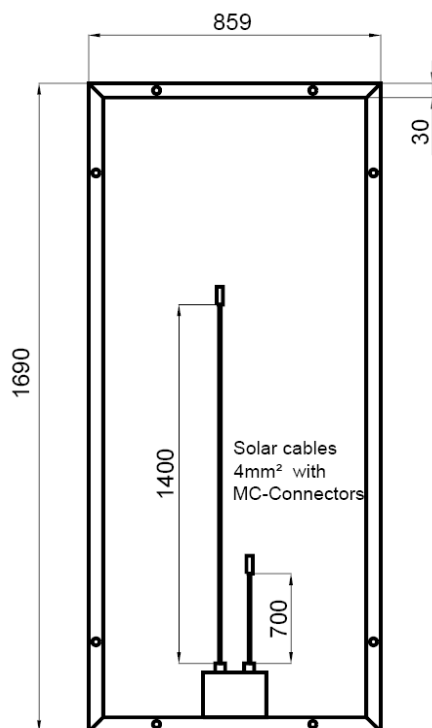
Engcotec W1800

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).

Certified quality - Engcotec Stuttgart

Engcotec Solar module W1800 - Data Sheet

Electrical Data	W1800-190	W1800-200
Max. Power P_{MPP}	190 W	200 W
Voltage at maximum power point V_{MPP}	28.00 V	28.00 V
Current at maximum power point I_{MPP}	6.79 A	7.14 A
Open-circuit voltage V_{OC}	34.40 V	34.40 V
Short-circuit current I_{SC}	7.70 A	8.00 A



Dimensions and weights

Dimensions (L x W x H)	1472 x 976 x 42mm
Weight	approx. 20.0 kg

Characteristic data

Solar cells per module	54
Type of solar cell	Mono-crystalline
Dimensions of cell	156 x 156 mm
Connections	Junction Box with 3 built-in bypass diodes
Length of cables	70 and 140 cm
NOCT	49 °C

Limit values

Max. system voltage	1000 V
Tested wind resistance	200 km/h
Operating module temperature	-45°C - +95°C

Cell temperature coefficients

Open-circuit voltage $T_k(V_{OC})$	- 0,34 % / °C
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Certifications

IEC 61215 (ISPR)

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