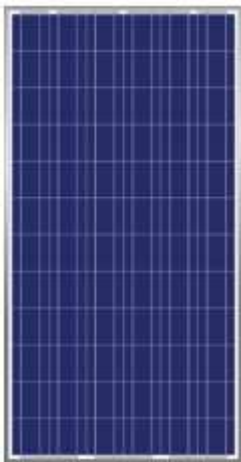


Poly-crystalline Solar Module

Engcotec JAP6 72-280/285/290/295/300

Power: JAP6 72-280	280 Wp	JAP6 72-295	295 Wp
JAP6 72-285	285 Wp	JAP6 72-300	300 Wp
JAP6 72-290	290 Wp		



Certifications

High quality standards proved by the following certifications:

- TÜV, CE
- VDE IEC 61215
- VDE IEC 61730
- Intertek

Engcotec JAP6 72-280/285/290/295/300

Engcotec solar modules are designed and constructed to provide high performance and reliability. We constantly

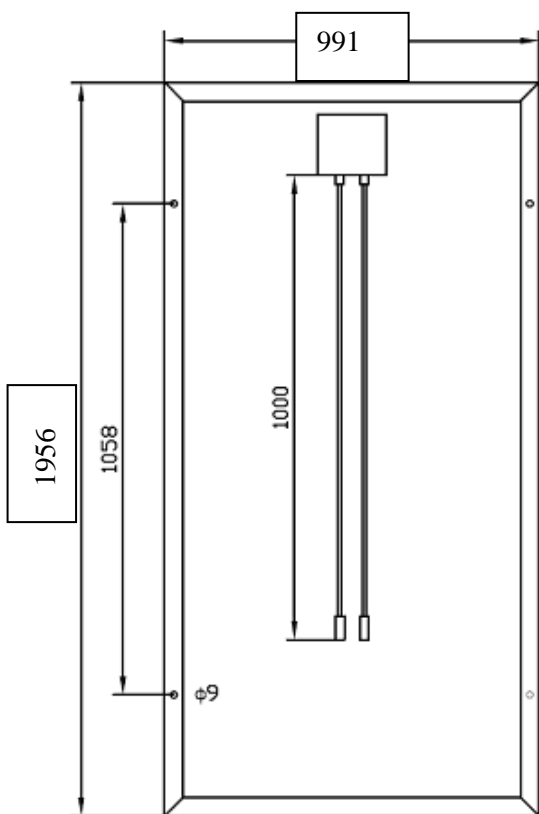
- High efficiency poly-crystalline solar cells 156 x 156 mm, with silicon
- Manufacturer rated power: -0%/+ 5W
- Assembled with Multi-Contact-Plugs MC Type 4
- Robust double aluminium profile
- Simple and cost-saving installation
- IP 65 Junction Box with 3 built-in by-pass diodes (10SQ050)
- Tempered low iron glass for better impact resistance and better light transmission
- Manufacturer's linear performance warranty
25 years product guarantee 10 years with ir-redeemable policy period
10 years on 90% of peak power
25 years on 80% of peak power

improve our products to ensure product performance and reliability.

The poly-crystalline cells lie behind hardened glass glazing and are embedded in transparent EVA (ethylene-vinyl-acetate).

Data Sheet Solar Module Engcotec JAP6 72-280/285/290/295/300

Electrical Data	JAP6 72-280	JAP6 72-285	JAP6 72-290	JAP6 72-295	JAP6 72-300
Max. Power P_{MPP}	280 W	285 W	290 W	295 W	300 W
Voltage at max. power point U_{MPP}	35.81 V	36.08 V	36.34 V	36.56 V	36.90 V
Current at max. power point I_{MPP}	7.82 A	7.90 A	7.98 A	8.07 A	8.13 A
Open-circuit voltage U_{OC}	45.33 V	45.42 V	45.50 V	45.59 V	45.67 V
Short-circuit current I_{SC}	8.56 A	8.60 A	8.64 A	8.68 A	8.73 A



Dimensions and weights

Dimensions (L x W x H)	1956 x 991 x 45 mm
Weight	approx. 22.5 kg

Characteristic data

Solar cells per module	72
Type of solar cell	poly-crystalline
Dimensions of cell	156 x 156 mm
Connections	Assembled with Multi-Contact-Plugs
Length of cable	1000 mm
NOCT	47 \pm 2°C

Limit values

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

Cell temperature coefficients

P_m	-0.440%/C
I_{sc}	+0.055%/C
Open-circuit voltage (U_{oc})	-152mv/C

Certifications

VDE IEC 61215	VDE IEC 61730
ISO 9002	Intertek

