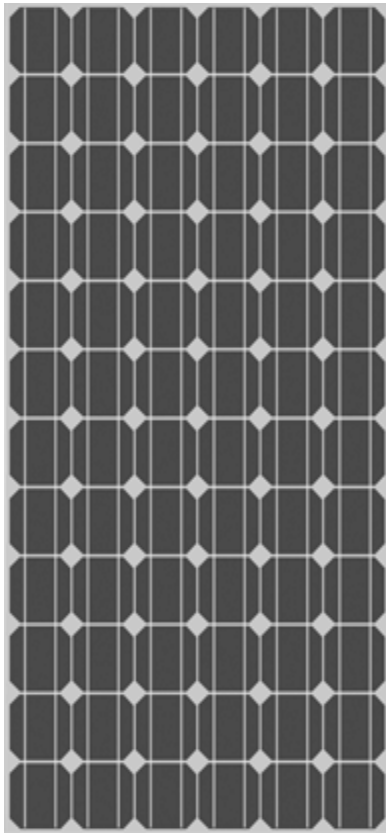


# Mono-crystalline Solar Module

## Engcotec JAM6 72-290/300/305/310/315/320-SI

Power: JAM6 72-290	290 Wp	JAM6 72-300	300 Wp
JAM6 72-305	305 Wp	JAM6 72-310	310 Wp
JAM6 72-315	315 Wp	JAM6 72-320	320 Wp



- 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

### Certifications

High quality standards provided by the following certifications:

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

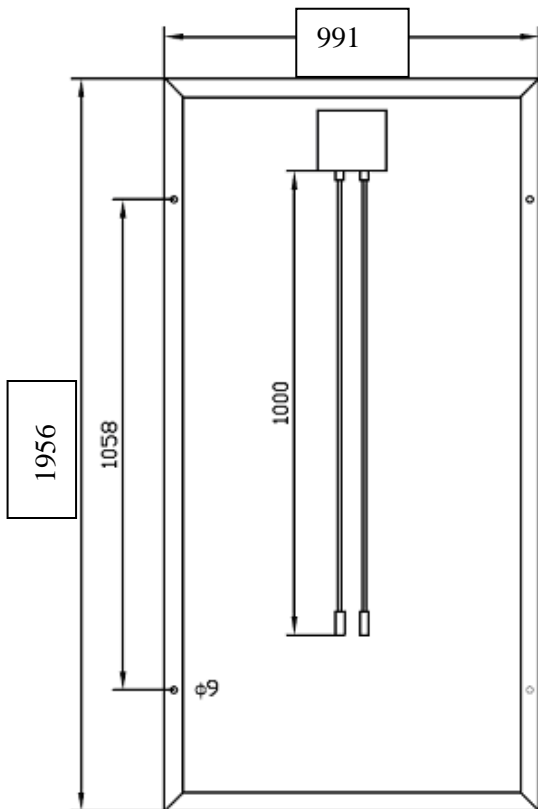
### Engcotec JAM6 72-290/300/305/310/315/320-SI

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

## Data Sheet Solar Module Engcotec JAM6 72-290/300/305/310/315/320-SI

Electrical Data	JAM6 72-290	JAM6 72-300	JAM6 72-305	JAM6 72-310	JAM6 72-315	JAM6 72-320
Max. Power $P_{MPP}$	290 W	300 W	305 W	310 W	315 W	320 W
Voltage at max. power point $U_{MPP}$	36.76 V	37.09 V	37.15 V	37.22 V	37.33 V	37.43 V
Current at max. power point $I_{MPP}$	7.89 A	8.09 A	8.21 A	8.33 A	8.44 A	8.55 A
Open-circuit voltage $U_{OC}$	45.67 V	45.85 V	45.96 V	46.02 V	46.31 V	46.56 V
Short-circuit current $I_{SC}$	8.52 A	8.60 A	8.65 A	8.71 A	8.78 A	8.81 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 (6x12)
Type of solar cell	mono-crystalline
Dimensions of cell	156 x 156 mm
Connections	Assembled with Multi-Contact-Plugs
Length of cable	1000 mm
NOCT	45 $\pm$ 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	
$P_m$	-0.430%/C
$I_{sc}$	+0.049%/C
Open-circuit voltage ( $U_{OC}$ )	-152mv/C

Certifications	
VDE IEC 61215	VDE IEC 61730
ISO 9002	Intertek



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Engcotec reserves the right to make specification changes. No responsibility is taken for this information. 12/2012