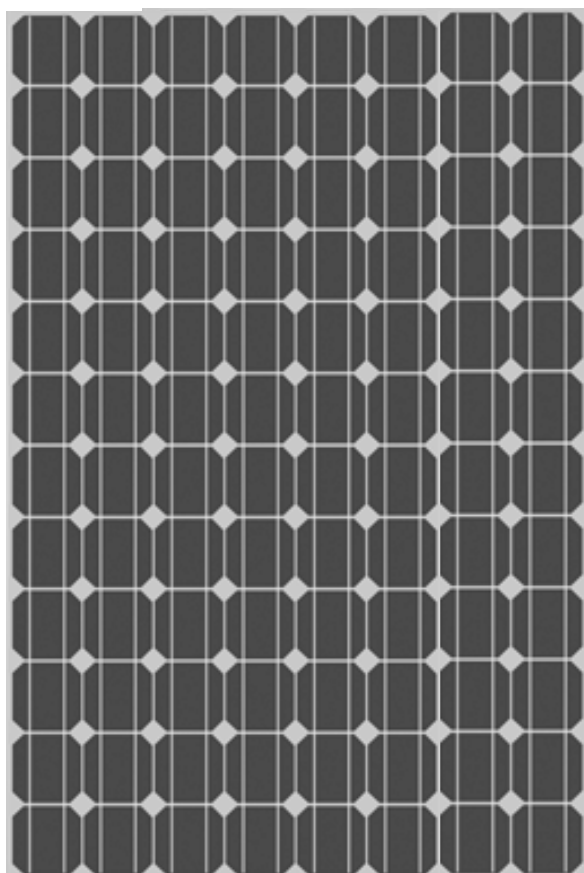


## Mono-crystalline Solar Module

Engcotec TP596M-255/260/265/270

Power:	TP596M-255 255 Wp	TP596M-265 265 Wp
	TP596M-260 260 Wp	TP596M-270 270 Wp



- High efficiency mono-crystalline solar cells  
125 x 125 mm, with silicon
- Manufacturer rated power:  $\pm 5\%$
- 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 proofed by the following certifications:

- TÜV, CE
- VDE IEC 61215
- VDE IEC 61730
- UL 1703I

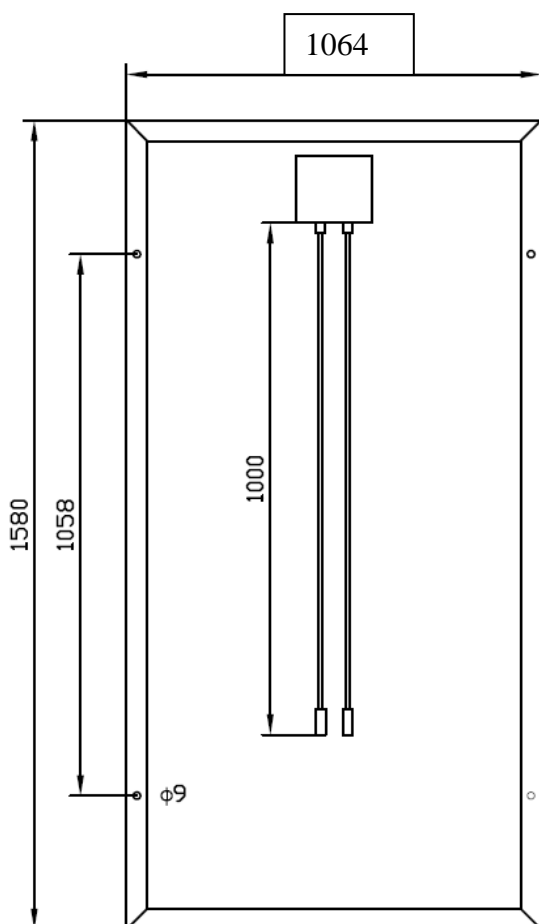
### Engcotec TP596M-255/260/265/270

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 hardened-glass glazing and are embedded in transparent EVA (ethylene-vinyl-acetate).

## Data Sheet Solar Module Engcotec TP596M-255/260/265/270

Electrical Data	TP596M-255	TP596M-260	TP596M-265	TP596M-270
Max. Power $P_{MPP}$	255 W	260 W	265 W	270 W
Voltage at max. power point $U_{MPP}$	48.4 V	48.7 V	48.9 V	49.2 V
Current at max. power point $I_{MPP}$	5.27 A	5.32 A	5.41 A	5.49 A
Open-circuit voltage $U_{OC}$	59.8 V	60.1 V	60.4 V	60.6 V
Short-circuit current $I_{SC}$	5.66 A	5.71 A	5.77 A	5.81 A



### Dimensions and weights

Dimensions (L x W x H)	1580 x 1064 x 40 mm
Weight	approx. 19.5 kg

### Characteristic data

Solar cells per module	96
Type of solar cell	mono-crystalline
Dimensions of cell	125 x 125 mm
Connections	assembled with Multi-Contact-Plugs
Length of cables	1000 mm
NOCT	46 $\pm$ 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

$P_m$	-0.470%/C
$I_{sc}$	+0.036%/C
Open-circuit voltage ( $U_{OC}$ )	-152mv/C

### Certifications

VDE IEC 61215	VDE IEC 61730
ISO 9002	UL 1703



Engcotec Advanced Technology GmbH, P.O.Box 100852, D-70007 Stuttgart

Tel.: +49 (0)711 22 29 67 – 6, Fax: 49 (0)711 22 29 67 – 77

Email: [engcotec@engcotec.de](mailto:engcotec@engcotec.de), website: [www.engcotec.de](http://www.engcotec.de)

Engcotec reserves the right to make specification changes. No responsibility is taken for this information. 01/2012