



# escelco

Solar Company

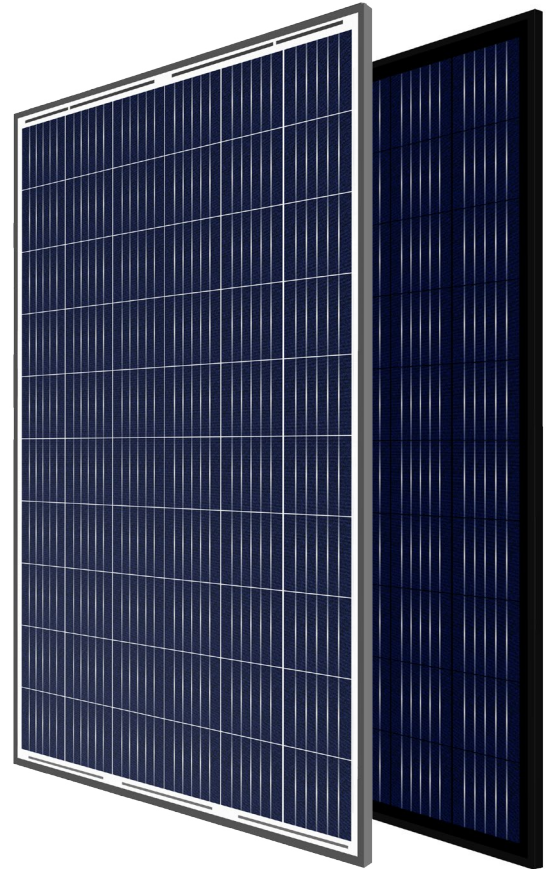
## POLYCRYSTALLINE MODULE 270-285W








270-285W | 60 cells | Standard/Black

**25 YEARS PERFORMANCE WARRANTY**

**15 YEARS PRODUCT WARRANTY**

Escelco operates from its photovoltaic cells and modules factory in Bembibre, León. Through the vertical integration of the production process and the quality control of all its products, Escelco provides security, guarantees and service throughout Spain.



-  Maximum voltage up to 1.500V
-  6 optional by-pass Diodes
-  Electroluminescence test
-  High transmissivity and anti-reflective glass
-  EN 61215-2:2017 / EN IEC 61730-2:2018/AC:2018-06
-  Frame with higher mechanical resistance and air chamber
-  Back load (wind) 2.400 Pa / Frontal load (snow) 5.400 Pa



**ESPAÑA**  
WARRANTY · SERVICE



Factory:  
Poligono Industrial Bierzo Alto. (A6 - km 371)  
C/ Las Canteras 0, 24318 Bembibre, Leon. Spain.  
+34 987 526 880  
[info@escelco.eu](mailto:info@escelco.eu) / [www.escelco.eu](http://www.escelco.eu)

## TECHNICAL FEATURES

### Frame

Black / Silver anodized aluminium 0,015 mm

Robust and resistant to corrosion

Mounting holes

Built-in plug

### Connection box

Sealed, robust and wide for heat dissipation

IP67/IP68 according to IEC 60529

Diodes by-pass built-in (3/6)  
for protection of the partial shading

Connector MC4 or compatible

Cables 1m ( $\pm 0,1$ m) length and 4mm<sup>2</sup> section

Fire Class I approval (UNI 9177)

### Frontal

3,2 mm ARC tempered glass

Textured, extra-clear with low iron content

Covered cell interconnections (Only in Black)

### Solar cells

60 cells polycrystalline silicon / 6" / 5BB

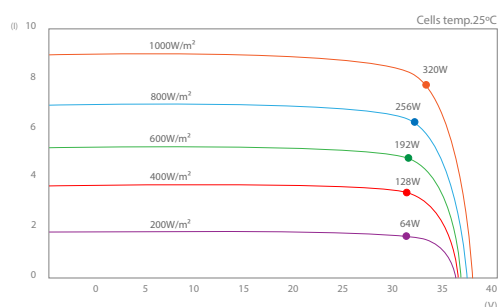
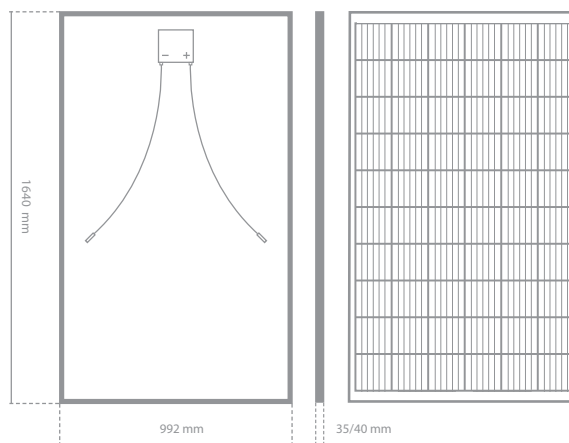
### Weight, dimensions and packaging

20 Kg | 1640 x 992 x 40mm(+/-1%) | Packaging: 784 pcs-truck

19 Kg | 1640 x 992 x 35mm(+/-1%) | Packaging: 896 pcs-truck

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## ELECTRIC DATA

Standard - Black	PESC 270W	PESC 275W	PESC 280W	PESC 285W
Nominal power, P <sub>mpp</sub>	270W	275W	280W	285W
Tolerance, P <sub>mpp</sub>	0 / +5W	0 / +5W	0 / +5W	-1% / +3%
Area of the module	1,62			
Module efficiency	16,67%	16,98%	17,28%	17,59%
I <sub>sc</sub>	9,12 A	9,16 A	9,25 A	9,31 A
U <sub>oc</sub>	38,61 V	38,69 V	39,10 V	39,38 V
I <sub>mpp</sub>	8,61 A	8,73 A	8,85 A	8,97 A
U <sub>mpp</sub>	31,36 V	31,50 V	31,65 V	31,77 V
Maximum voltage	1.000 V / 1.500 V			
I <sub>sc</sub>	0,05% / °C			
U <sub>oc</sub>	- 0,32% / °C			
g P <sub>max</sub>	- 0,41% / °C			
Temperature range	- 40°C to +85°C			
NOCT	45°C ± 2°C			

NOTE: Read the instruction manual of this product and follow the indications STC. Values are valid for: 1000W/m<sup>2</sup>, AM 1.5 and cell's temperature of 25°C. Measurement tolerance +/-3% (AAA Solar simulation -IEC 60.904-9-). All the information of this brochure may be amended without notice by Escelco.