



escelco

Excellence beyond Solar Energy

HALF-CUT MODULE 390-405W

390-405W | Monocrystalline | 5 Busbar | IP68

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.



144 cells



6 Diodos by-pass



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



ALIDAD EUROPEA

ESPAÑA
GARANTÍA · SERVICIO



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

Cables 300 /1000 mm ($\pm 0,1m$) length and 4mm² section

Fire Class I approval (unl 9177)

Frontal

3,2 mm ArC tempered glass

Textured, extra-clear with low iron content

Covered cell interconnections (only in Black)

Half cells

144 [2x(12X6)] cells, silicon monocrystalline

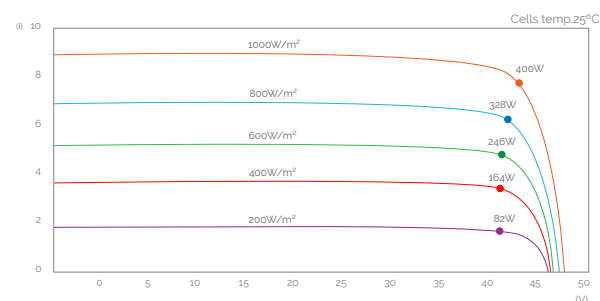
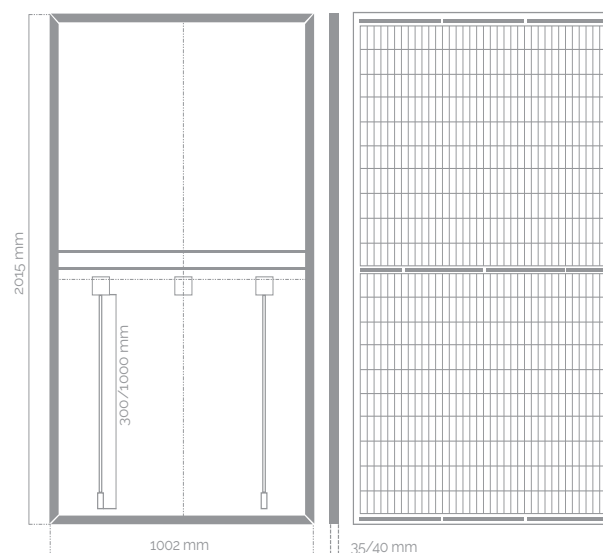
Peso, dimensiones y packaging

22,5 Kg | 2015 x 1002 x 35mm(+/-1%) | Packaging: 624 pcs-truck

23 Kg | 2015 x 1002 x 40mm(+/-1%) | Packaging: 624 pcs-truck

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ELECTRIC DATA

Standard - Black	MESC 390W-HC	MESC 395W-HC	MESC 400W-HC	MESC 405W-HC
Nominal power, P _{mpp}	390W	395W	400W	405W
Tolerance, P _{mpp}	0 / +5W	0 / +5W	0 / +5W	-1% / +3%
Area of the module	2.00			
Module efficiency	19,32%	19,56%	19,81%	20,06%
I _{sc}	10,29 A	10,35 A	10,44 A	10,52 A
V _{oc}	49,05 V	49,28 V	49,54 V	49,78 V
I _{mpp}	9,71 A	9,78 A	9,86 A	9,93 A
V _{mpp}	40,20 V	40,40 V	40,60 V	40,80 V
Maximum voltage	1.000 V / 1.500 V			
α I _{sc}	0,055% / °C			
β V _{oc}	- 0,32% / °C			
γ P _{max}	- 0,39% / °C			
Temperature range	- 45°C to +85°C			
NOCT	45°C \pm 2°C			

Note: read the instruction manual of this product and follow the indications STC. Values are valid for: 1000W/m², A_m 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.
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