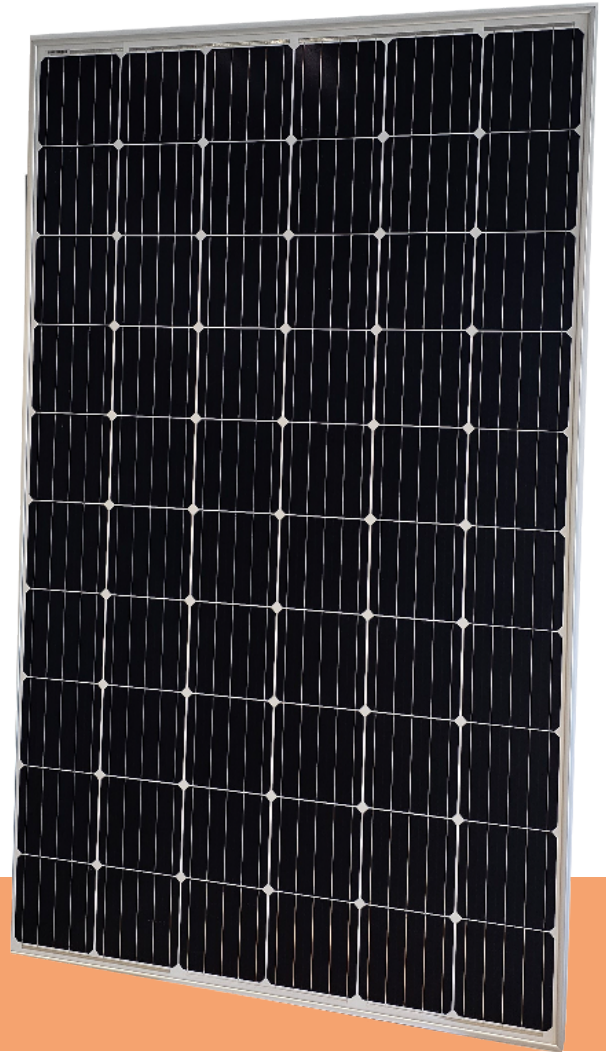




**ESCELCO**, Escelco operates from its photovoltaic cells and modules factory in Bembibre, León. Through the vertical integration of the production process and the quality control of all its products, Escelco provides security, guarantees and service throughout Spain

**25 YEARS PERFORMANCE WARRANTY**  
**10 YEARS PRODUCT WARRANTY**



**MONOCRYSTALLINE MODULE 300-315W**  
60 cells | Silver/White



Free PID



100% electroluminescence test



Back load (wind) 2.400 Pa /  
Frontal load (snow) 5.400 Pa



High transmissivity and anti-reflective glass



EN 61215-2:2017 /  
EN IEC 61730-2:2018/  
AC:2018-06



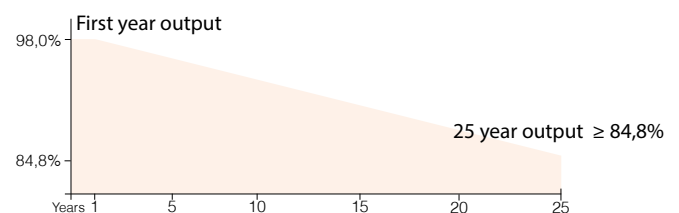
Module efficiency over 19,36%

**QUALITY**

- 3,2 mm ArC tempered glass
- Frame with higher mechanical resistance and air chamber
- High performance under low light conditions (cloudy days, mornings and evenings)

**LINEAR PERFORMANCE WARRANTY**

- Higher performance over 84,8% at 25 years





## ELECTRIC DATA

Reference	ESM300-60F-M2-S	ESM310-60F-M2-S	ESM315-60F-M2-S
Nominal power, P <sub>mpp</sub>	300W	310W	315W
Tolerance, P <sub>mpp</sub>	0/+3%	0/+3%	0/+3%
Module efficiency	18,52%	19,14%	19,36%
I <sub>sc</sub> (A)	9,89	9,93	9,95
V <sub>oc</sub> (V)	39,75	40,20	40,50
I <sub>mpp</sub> (A)	9,37	9,67	9,82
V <sub>mpp</sub> (V)	32,02	32,06	32,08
Maximum voltage		1.000-1.500 V	
α I <sub>sc</sub>		0,05%/°C	
β V <sub>oc</sub>		-0,29%/°C	
γ P <sub>max</sub>		-0,39%/°C	
Temperature range		-40°C a +85°C	
NMOT		45°C ± 2°C	

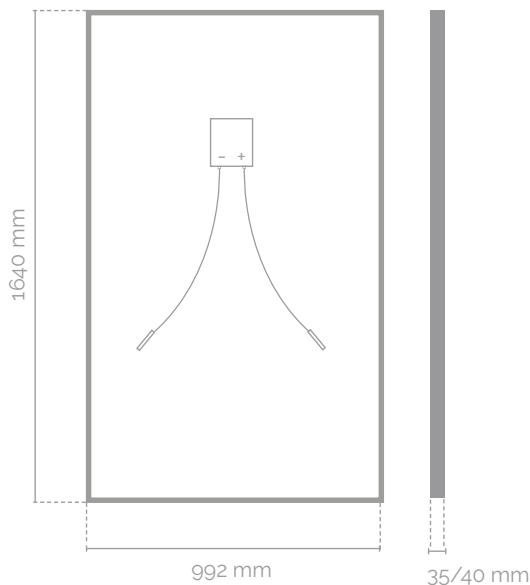
## TECHNICAL FEATURES

- Cell arrangement: 60 [2(10x6)]
- Weight: 19kg / 20Kg
- Dimensions: 1640x992x40/35mm ±1%
- Packaging: 784 / 896 pcs-truck
- 31 units per pallet
- Pallet Weight: 589/620 Kg

## CONNECTION BOX

- Robust and resistant to corrosion
- IP67/IP68 according to IEC 60529
- Diodes by-pass built-in for protection of the partial shading
- Connector mC4 or compatible
- Cables 1m (±0,1m) length and 4mm<sup>2</sup> section
- Fire Class I approval (unl 9177)

## DIMENSIONS



## FRAME

- Silver anodized aluminium 0,015 mm
- Robust and resistant to corrosion
- Mounting holes
- Built-in plug

## YIELD CURVE

