



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

12 YEARS PRODUCT WARRANTY

HALF-CELL MONOCRYSTALLINE MODULE 550W

144 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



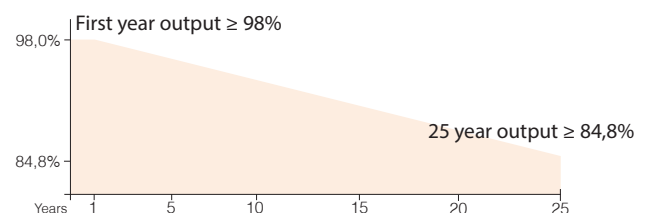
Module efficiency over 21,29%

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	ESM550-72H-M10-S
Nominal power, P _{mpp}	550W
Tolerance, P _{mpp}	0/+3%
Module efficiency	21,29%
I _{sc} (A)	14,11
V _{oc} (V)	49,89
I _{mp} (A)	13,26
V _{mpp} (V)	41,48
Maximum voltage	1.500V
Reverse-current power rating	25A
α I _{sc}	0,0448%/°C
β V _{oc}	-0,246%/°C
γ P _{max}	-0,330%/°C
Temperature range	-40°C a +85°C
NMOT	42°C ± 2°C

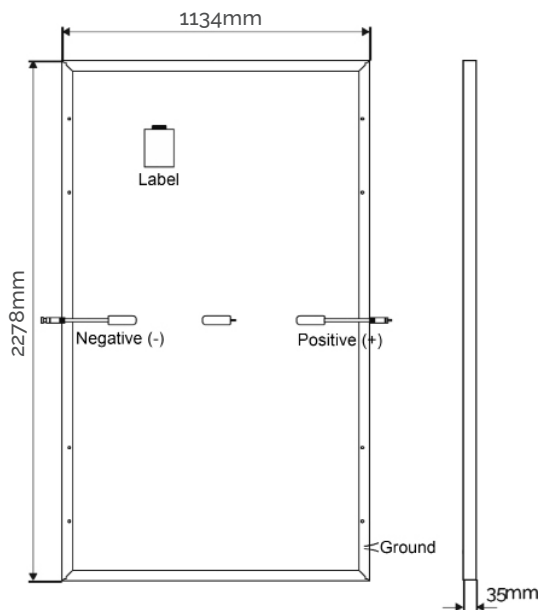
TECHNICAL FEATURES

- Cell arrangement: 144 [2x(06x12)]
- Weight: 28,7Kg
- Dimensions: 2278x1134x35mm
- Packaging: 682 pcs-truck
- 31 units per pallet
- Pallet Weight: 889,7 Kg

CONNECTION BOX

- Robust and resistant to corrosion
- IP67/IP68 according to IEC 60529
- 3 Diodes by-pass
- Stäubli Electrical MC4-Evo 2 or MC4-Type connector, quick and easy connection
- Cables 1,2m (±0,1m) length and 4mm² section

DIMENSIONS



FRAME

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

YIELD CURVE

