



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



POLYCRYSTALLINE MODULE 270-280W

60 cells | Silver/White



Free PID



100% electroluminescence test



Module efficiency over 17,21%



ISO Certification
9001:2015 y 14001:2015



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



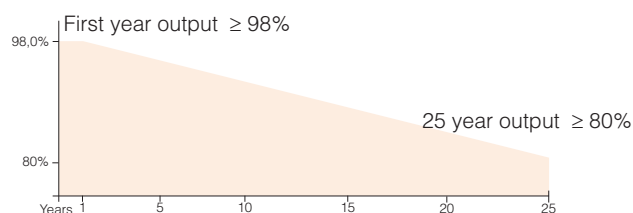
Factory Inspection
Certificate

QUALITY

- 3,2mm Arc tempered glass
- Frame with higher mechanical resistance and air chamber
- High performance under low light conditions (cloudy days, mornings and evenings)
- Back load (wind) 2.400 Pa / Frontal load (snow) 5.400 Pa

LINEAR PERFORMANCE WARRANTY

- Higher performance over 80% at 25 years





ELECTRIC DATA

Reference	ESP270-60F-M2-S	ESP275-60F-M2-S	ESP280-60F-M2-S
Nominal power, P _{mp}	270W	275W	280W
Tolerance, P _{mp}	0/+3%	0/+3%	0/+3%
Module efficiency	16,60%	16,90%	17,21%
I _{sc} (A)	9,06	9,18	9,29
V _{oc} (V)	37,20	38,00	38,50
I _{mp} (A)	8,65	8,76	8,86
V _{mp} (V)	31,20	31,40	31,60
Maximum voltage	1.000-1.500 V	1.000-1.500 V	1.000-1.500 V
Reverse-current power rating	15A	15A	15A
α I _{sc}	0,06%/°C	0,06%/°C	0,06%/°C
β V _{oc}	-0,33%/°C	-0,33%/°C	-0,33%/°C
γ P _{max}	-0,41%/°C	-0,41%/°C	-0,41%/°C
Temperature range	-40°C a +85°C	-40°C a +85°C	-40°C a +85°C
NMOT	45°C ± 2°C	45°C ± 2°C	45°C ± 2°C

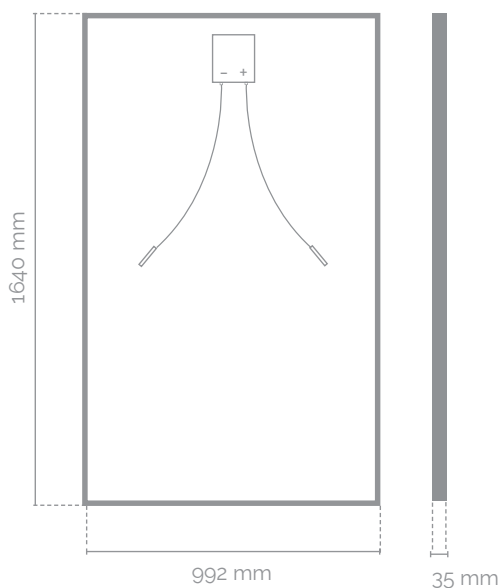
TECHNICAL FEATURES

- Cell arrangement: 60(06x10)
- Weight: 18,5Kg
- Dimensions: 1640x992x35mm ±1%
- Packaging: 720 pcs-truck
- 30 units per pallet
- Pallet Weight: 555 Kg

CONNECTION BOX

- Sealed, robust and wide for heat dissipation
- IP67/IP68 according to IEC 60529
- 3 diodes by-pass
- Stäubli Electrical MC4-Evo 2 or MC4-Type connectors, quick and easy connection
- Cables 1,20m (±0,1m) length and 4mm² section
- Fire Class I approval (UNI 9177)

DIMENSIONS



FRAME

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

YIELD CURVE

