



## PHOTOVOLTAIC MODULES SERIES EL60IS

BASED ON SILICON POLY-CRYSTALLINE CELLS  
*Equipped with the special aluminium frame Capillary Comb®*  
*Output power up to 270 Wp*

### Key Features

- Modules equipped with the special frame “Capillary Comb”® which realizes a water-proof surface when a close installation of –IS modules is realized
- High conversion efficiency due to the advanced photovoltaic technologies involved
- High reliability over time due to a fully automated lay-up process and a vacuum laminator oven
- High strength due to a design based on a robust aluminium frame equipped with a sealing layer that is able to protect the laminate against the mechanical forces caused by both environmental agents and thermal expansions
- Up to 25 years warranty time with 80% of original power
- Carefull materials selection in order to minimize the absorption inside laminate and maximize the cells energy yield
- CE compliant product according to EN IEC 61215 and EN IEC 61730 standards
- Tolerance in power 0/+3%
- Available in the following finish (backsheet/frame):  
white/silver (as standard)  
black/black (on request)
- Production plants joined collective systems for the recycling of the products put on the market

### Product Description

Poly-crystalline photovoltaic modules EL60IS series are built following strict quality directives to provide a stable high efficiency over operating years in the destination site and protect the customer investment. Accurate cell selection, manufacturing process using the latest technology and facilities, severe quality control makes the EL60IS modules the best solution for actual PV systems.

EL60IS (integrated structure) modules are realized with the special frame “Capillary Comb”® which has multiple fins around the entire perimeter which joined/spliced to each other in an installation of adjacent modules of the same – IS type, guarantees the impermeability of the surface (*for details check carefully the specific mounting instructions*).

The modules are supplied with professional mounting system for an easy and safe installation; in fact all the modules are equipped with IP65 junction box containing 3 bypass diodes and cables already fitted with connectors ready for the installation.

EL60IS modules are designed and tested to resist wind, hail, storm and other severe weather conditions. Those modules were tested and certified to resist against the mechanical force caused by wind (up to 2400 Pa) and snow (up to 5400 Pa).

Those modules are provided to answer to increasing demand of hi-quality, long lasting, high-efficiency modules of actual and future market with total respect for the environment.

### Applications

Use in systems designed, assembled and installed by qualified technicians, for permanent use in a defined location, in order to produce energy from solar source for public, commercial, industrial and residential applications (ex.: grid-connected power stations on field and on roof, partially integrated and totally integrated installations, PV power station).

### Quality, Safety and Environment

- Produced exclusively in Italy in production site with ISO 9001 (quality), ISO 14001 (environmental) and OHSAS 18001 (safety) accredited management systems
- CE compliant and certified product according to EN IEC 61215:2005 and EN IEC 61730-2:2012 standards
- The electrical performance of each module is verified on the production line with an independent and certified sun simulator
- Electrical safety is verified on each module before packaging by using a dielectric rigidity tester and a grounding continuity tester
- El.Ital. and joined collective system for the recycling of the products on his local market

### Warranty

EL60IS series modules comes with a warranty of 10 years against manufacturing and material defects, furthermore modules are granted to supply a 90% of original power over 10 years and 80% of original power over 25 years, for more

