MONOCRYSTALLINE MODULE ISF-235/240/245

Enjoy ISOFOTON´s competititive advantages

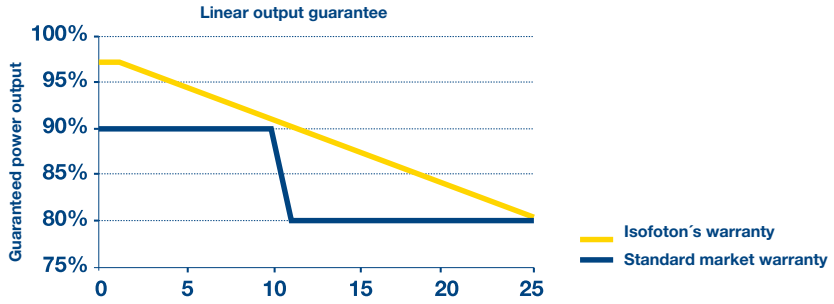
- More than 30 years manufacturing cells and solar modules
- International experience in project development: More than 300 EPC projects around the world
- After sales service
- Cutting edge technology and certified quality
- Commitment to sustainable development

Enjoy ISF modules' competitive advantages

- Microestructured glass with greater capacity to absorb diffuse light, improving energy yield
- Junction box with exclusive design that minimizes electricity loss
- The lightest module in its category, thus easy to handle
- Antitheft system

ISOFOTON's warranty

A 25 year linear power warranty, 7.5 % better than the standard market warranty and 10 year product warranty

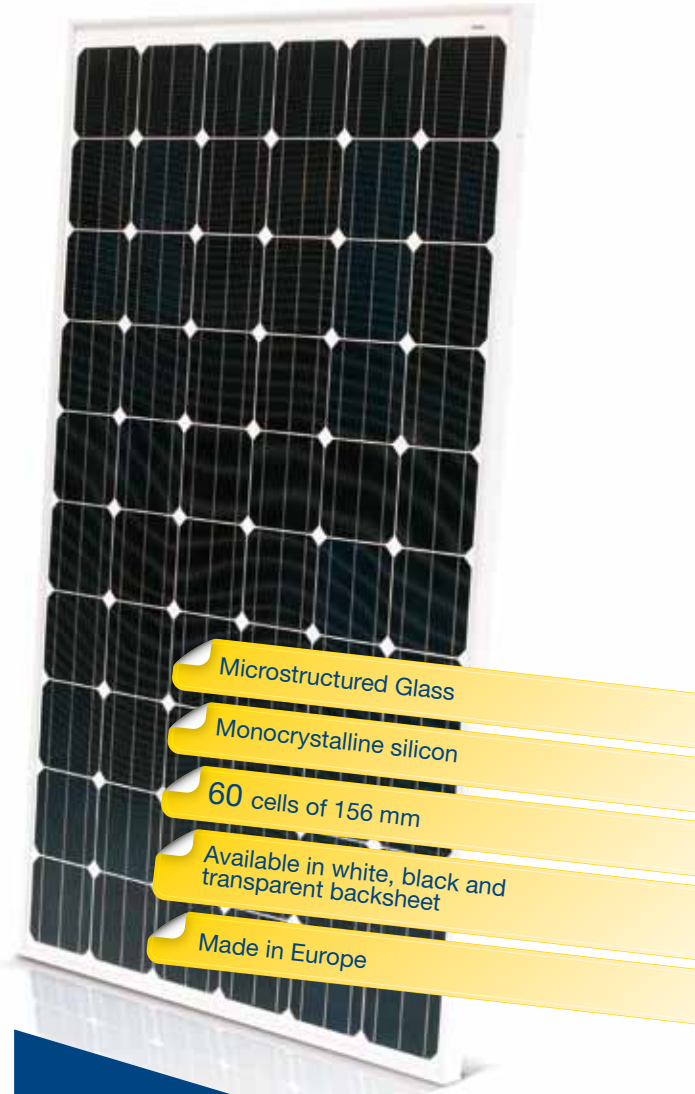


Module certifications

CE · TÜV · □ · cULus LISTED

Company certifications

SGS	SGS	EMAS	PV CYCLE
Since 1999	Since 2001	Since 2008	Since 2007 ISOFOTON founding member



ISOFOTON 30 years

OVER 30 YEARS HARNESSING THE SUN FOR THE BENEFIT OF HUMANKIND

ISOFOTON

MONOCRYSTALLINE MODULE ISF-235/240/245

ELECTRICAL CHARACTERISTICS

Performance at STC: Irradiance, 1.000 W/m² ; cell temperature, 25° C (77° F); AM, 1.5

	ISF-235	ISF-240	ISF-245
Rated Power (Pmax)	235 W	240 W	245 W
Open Circuit Voltage (Voc)	36,8 V	37,1 V	37,4 V
Short-circuit Current (Isc)	8,42 A	8,46 A	8,50 A
Maximum power point Voltage (Vmax)	30,0 V	30,3 V	30,6 V
Maximum power point Current (Imax)	7,84 A	7,91 A	7,99 A
Efficiency	14,2%	14,5%	14,8%
Power tolerance (% Pmax)	+/- 3%	+/- 3%	+/- 3%

Performance at Irradiance 800 W/m², NOCT, ambient temperature 20° C (68° F), AM 1.5; wind speed 1 m/s

	ISF-235	ISF-240	ISF-245
Maximum Power (Pmax)	167 W	170 W	175 W
Open Circuit Voltage (Voc)	33,3 V	33,6 V	33,8 V
Short-circuit Current (Isc)	6,78 A	6,81 A	6,84 A
Maximum power point Voltage (Vmax)	26,6 V	26,9 V	27,2 V
Maximum power point Current (Imax)	6,31 A	6,37 A	6,43 A

Efficiency reduction from 1.000 W/m² to 200 W/m²	5% (+/-3%)

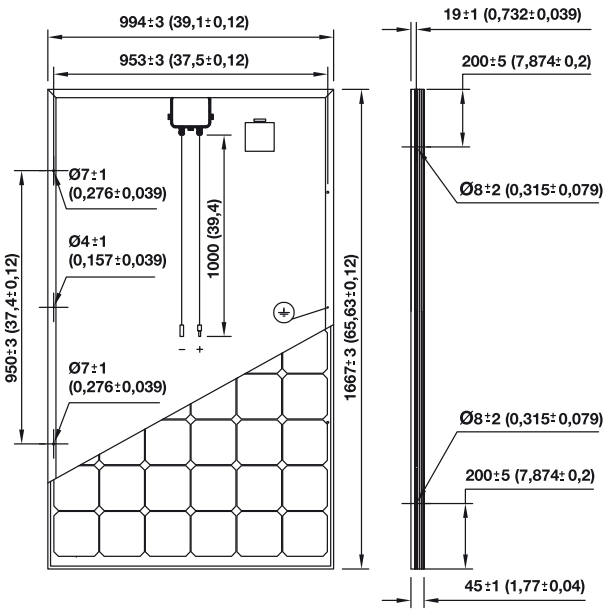
OPERATIONAL CHARACTERISTICS

Maximum System Voltage	1.000 V
Reverse Current limit (Series Fuse Rating)	20 A
Nominal Operating Cell Temperature (NOCT)	47 +/- 2º C (116.6 +/- 4° F)
Temperature Coefficient of Pmax	-0,464%/K
Temperature Coefficient of Voc	-0,323%/K
Temperature Coefficient of Isc	0,042%/K

MECHANICAL CHARACTERISTICS

Solar Cell	Monocrystalline Silicon - 156 mm x 156 mm (6 inches)
Number of cells	60 cells in 6x10 configuration
Dimensions	1667 x 994 x 45 mm (65.63" x 39.13" x 1.77")
Weight	19 Kg (41.8 lb)
Glass	High transmittance, microstructured, tempered, 3,2 mm (EN-12150)
Frame	Anodized aluminum, with antitheft drill and grounded
Maximum mechanical load	5400 Pa
Junction Box	IP 65 with 3 bypass diodes
Cables, plug	Solar cable : 1 m long, 4 mm² section. MC4 or compatible plug

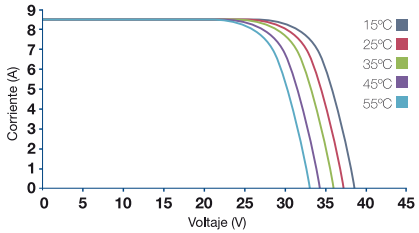
DIMENSIONS



PACKAGING

Modules per pallet
20

Packaging size (pallet+plastic corners)
1725 x 1055 x 1245 mm (67.91" x 41.54" x 49.02")
Recyclable materials



REMARKS: ISOFOTON, S.A. may modify these specifications without notice. This publication meet the standards of the EN 50380. May 2011

CONTACT DETAILS

FACTORY
Parque Tecnológico de Andalucía (PTA)
C/ Severo Ochoa, 50
E-29590 Málaga
Tel.: +34 95 1233500
isofotonm@isofoton.com

SALES OFFICE
Torre de Cristal
Paseo de la Castellana, 259 C (18TH Floor)
E-28046 Madrid
Tel.: +34 91 4147800
isofoton@isofoton.com

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