MONOCRYSTALLINE MODULE ISF-240/245/250-BLACK

Enjoy ISOFOTON´s competititive advantages

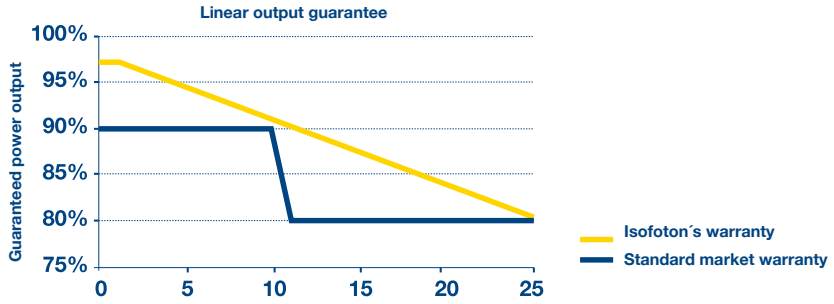
- More than 30 years manufacturing cells and solar modules
- International experience in project development: More than 300 EPC projects around the world
- After sales service
- Cutting edge technology and certified quality
- Commitment to sustainable development

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

ISOFOTON's warranty

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

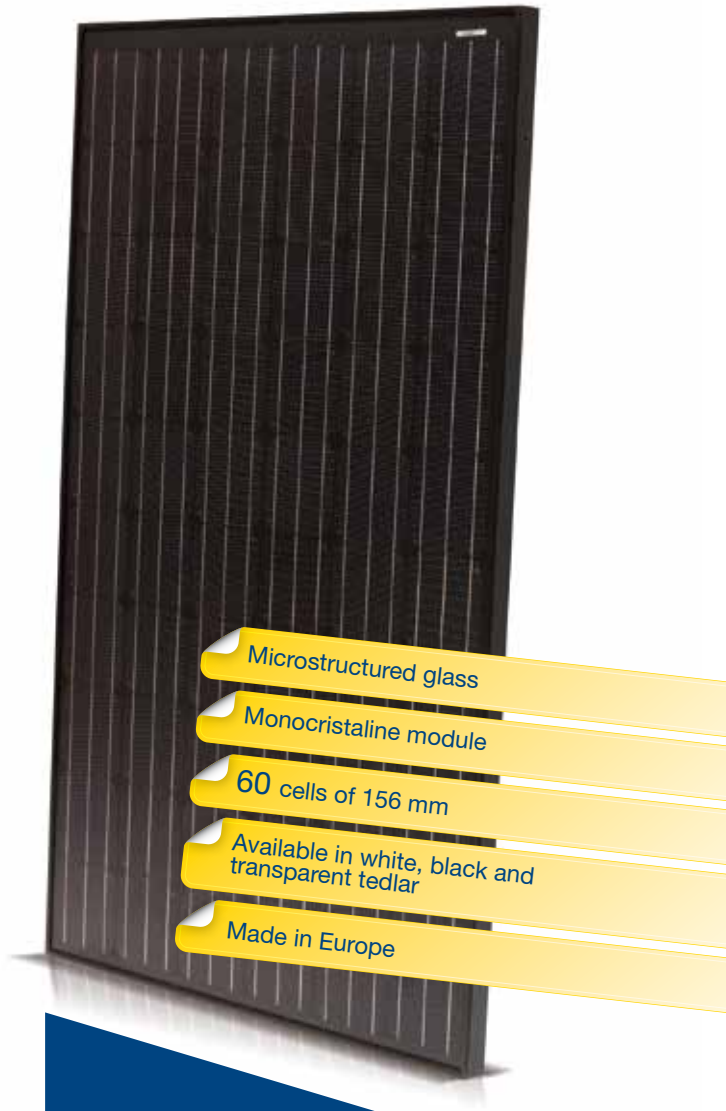


Module certifications

CE · TÜV · □ · c UL us LISTED

Company certifications

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



ISOFOTON 30 years

OVER 30 YEARS HARNESSING THE SUN FOR THE BENEFIT OF HUMANKIND

MONOCRYSTALLINE MODULE ISF-240/245/250-BLACK

ELECTRICAL CHARACTERISTICS

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

	ISF-240	ISF-245	ISF-250
Rated Power (Pmax)	240 W	245 W	250 W
Open Circuit Voltage (Voc)	37,3 V	37,6 V	37,8 V
Short-circuit Current (Isc)	8,50 A	8,62 A	8,74 A
Maximum power point Voltage (Vmax)	30,3 V	30,5 V	30,7 V
Maximum power point Current (Imax)	7,92 A	8,03 A	8,14 A
Efficiency	14,5%	14,8%	15,1%
Power tolerance (% Pmax)	0/+ 3%	0/+ 3%	0/+ 3%

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

	ISF-240	ISF-245	ISF-250
Maximum Power (Pmax)	172 W	176 W	179 W
Open Circuit Voltage (Voc)	34,3 V	34,5 V	34,7 V
Short-circuit Current (Isc)	6,86 A	6,96 A	7,06 A
Maximum power point Voltage (Vmax)	26,9 V	27,1 V	27,3 V
Maximum power point Current (Imax)	6,40 A	6,48 A	6,58 A

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

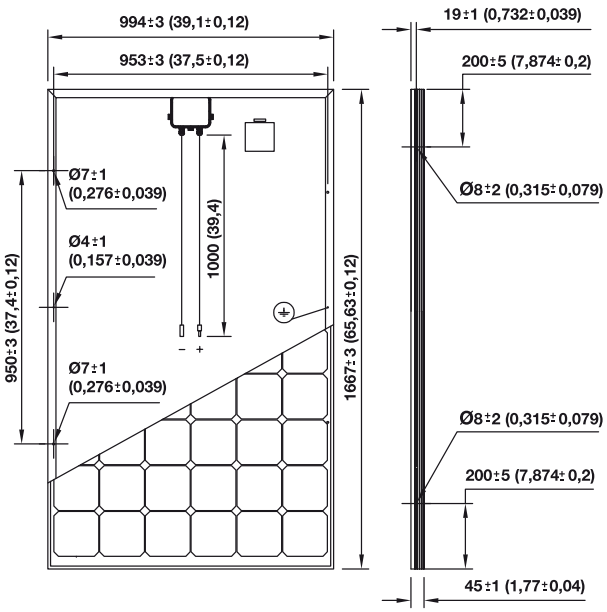
OPERATIONAL CHARACTERISTICS

Maximum System Voltage	1.000 V
Reverse Current limit (Series Fuse Rating)	20 A
Nominal Operating Cell Temperature (NOCT)	45 +/- 2° C (113 +/- 4° F)
Operating Cell Temperature	-40 a +85ºC
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

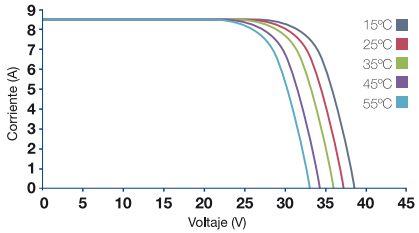
DIMENSIONS



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. January 2012

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