










## Enjoy ISO FOTON's competitive advantages

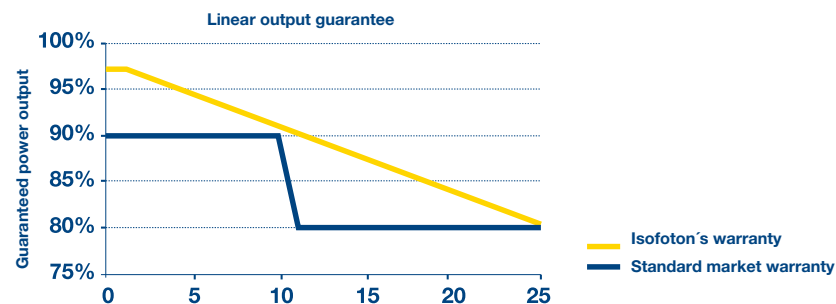
-  More than 30 years manufacturing cells and solar modules
-  International experience in project development: More than 300 EPC projects around the world
-  After sales service
-  Cutting edge technology and certified quality
-  Commitment to sustainable development

## Enjoy ISF modules' competitive advantages

-  Microstructured 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

## ISO FOTON's warranty

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



## Module certifications



## Company certifications



Microstructured Glass

Monocrystalline silicon

60 cells of 156 mm

Available in white, black and transparent backsheet

Made in Europe

## ELECTRICAL CHARACTERISTICS

Performance at STC: Irradiance, 1.000 W/m<sup>2</sup> ; 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/m<sup>2</sup>, 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/m<sup>2</sup> to 200 W/m<sup>2</sup> 5% (+/-3%)

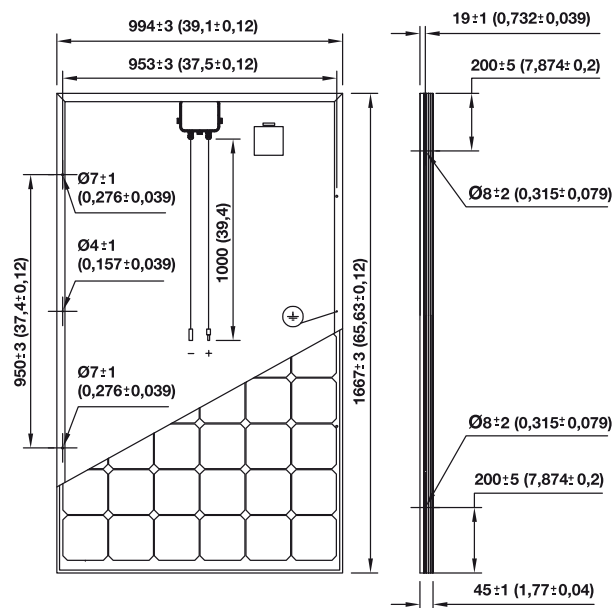
## OPERATIONAL CHARACTERISTICS

Maximum System Voltage	1.000 V
Reverse Current limit (Series Fuse Rating)	20 A
Nominal Operating Cell Temperature (NOCT)	47 +/- 2° 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 mm <sup>2</sup> 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

