









Enjoy ISO FOTON's competitive advantages

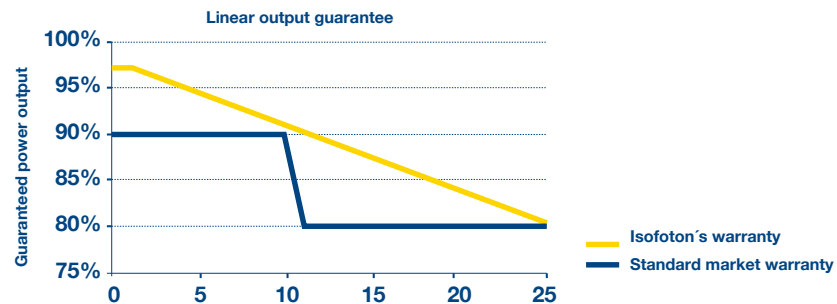
-  More than 30 years manufacturing cells and solar modules
-  International experience in project development: More than 300 EPC projects around the world
-  After sales service
-  Cutting edge technology and certified quality
-  Commitment to sustainable development

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

ISO FOTON's warranty

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



- Microstructured Glass
- Monocrystalline silicon
- 36 cells of 156 mm
- Available in white, black and transparent backsheet
- Made in Europe

Module certifications



Company certifications



OVER 30 YEARS HARNESSING THE SUN FOR THE BENEFIT OF HUMAN KIND

ELECTRICAL CHARACTERISTICS

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

	ISF-145	ISF-150
Rated Power (Pmax)	145 W	150 W
Open Circuit Voltage (Voc)	22,4 V	22,6 V
Short-circuit Current (Isc)	8,55 A	8,70 A
Maximum power point Voltage (Vmax)	18,1 V	18,5 V
Maximum power point Current (Imax)	8,00 A	8,12 A
Efficiency	14,5%	15,0%
Power tolerance (% Pmax)	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-145	ISF-150
Maximum Power (Pmax)	105 W	109 W
Open Circuit Voltage (Voc)	20,7 V	20,9 V
Short-circuit Current (Isc)	6,90 A	7,02 A
Maximum power point Voltage (Vmax)	20,7 V	16,6 V
Maximum power point Current (Imax)	6,44 A	6,55 A

Efficiency reduction from 1.000 W/m ² to 200 W/m ²	5% (+/-3%)
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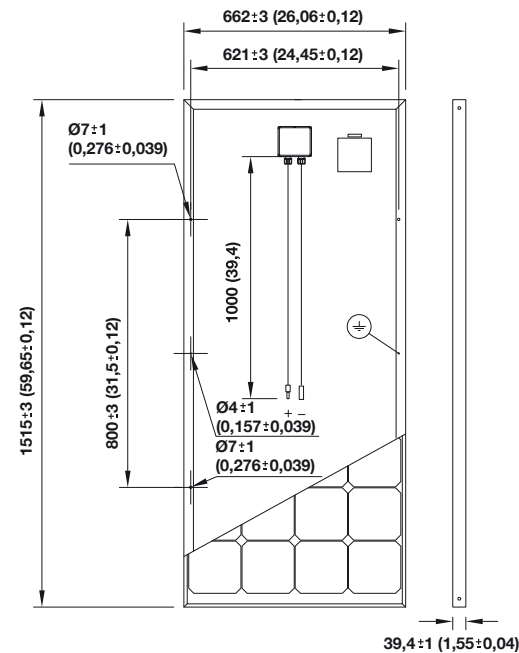
OPERATIONAL CHARACTERISTICS

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 Temperature	-40 to +85°C
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	36 cells in 4x9 configuration
Dimensions	1515 x 662 x 39,5 mm
Weight	13,5 Kg
Glass	High transmittance, microstructured, tempered, 3,2 mm (EN-12150)
Frame	Anodized aluminum and grounded
Maximum mechanical load	2400 Pa
Junction Box	IP 65 with 3 bypass diodes
Cables, plug	Solar cable : 1 m long, 4 mm ² section. MC4 or compatible plug

DIMENSIONS



PACKAGING

Modules per pallet	36
Packaging size (pallet+plastic corners)	1625 x 780 x 215 mm
Recyclable materials	

