

PHOTOVOLTAIC MODULE IS - 160



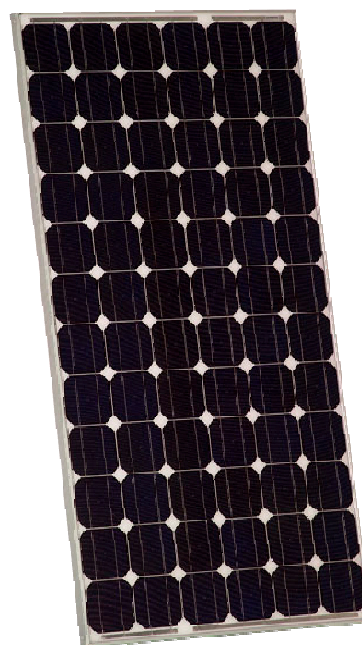
PHYSICAL CHARACTERISTICS

SIZE	1,600 x 790 x 40 mm
WEIGHT	14.4 Kg
PACKING CONDITIONS	25 modules per box
SIZE OF PACKING BOX	1,650 x 850 x 1,220 mm



ELECTRICAL CHARACTERISTICS (1000 W / m², 25° C cell, AM 1.5)

MAXIMUM POWER (P _{MAX.})	160 Wp +/- 3%
MAXIMUM POWER CURRENT (I _{MAX.})	4.57 A
MAXIMUM POWER VOLTAGE (V _{MAX.})	35 V
SHORT CIRCUIT CURRENT (I _{SC})	4.9 A
OPEN CIRCUIT VOLTAGE (V _{OC})	43.8 V
NOCT (800 W / m ² , 20° C, AM 1.5, 1 m / s)	47° C
MAXIMUM VALUE OF SERIAL FUSE	10 A
MAXIMUM SYSTEM VOLTAGE	1,000 V
TEMPERATURE COEFFICIENT OF V _{OC}	-0.378% / K
TEMPERATURE COEFFICIENT OF I _{SC}	0.0254% / K
TEMPERATURE COEFFICIENT OF P _{MAX.}	-0.48% / K



CONNECTION BOX

CONNECTION BOXES	1 x IP 65 with bypass diode
CONNECTION TERMINAL	Screwed and welded terminal board
CABLES	Multi-contact MC4 or compatible 1 meter (+); 1 meter (-); 4 mm ²

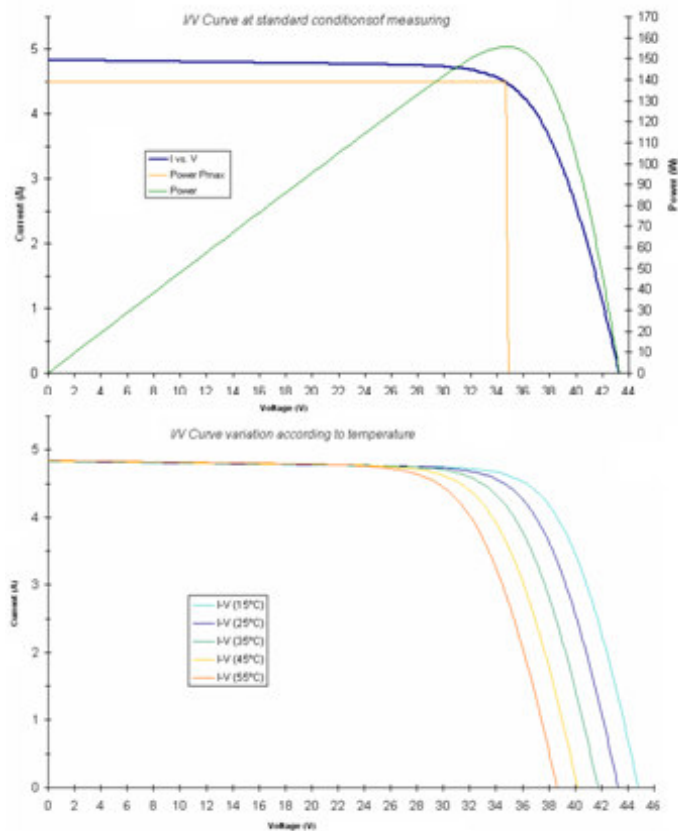


CONSTRUCTIONAL CHARACTERISTICS

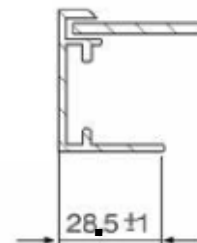
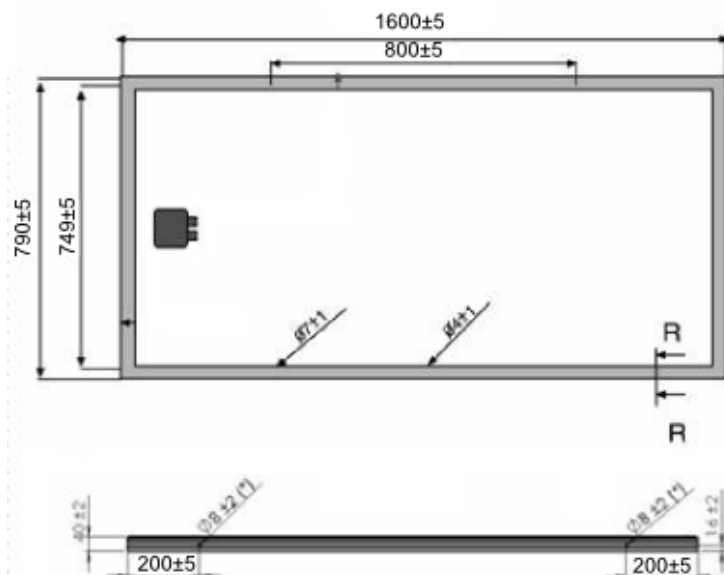


CURVES

CELL TYPE: Si MONOCRYSTALLINE, TEXTURED AND WITH REFLECTION SUPPRESSING LAYER (Silicon Nitride)	125 x 125 mm
CONTACTS	Redundant, multiple contacts, in each cell
No. OF CELLS IN SERIES	72
No. OF CELLS IN PARALLEL	1
ENCAPSULANT	EVA (ethylene vinyl acetate)
BACK FACE	Protected with several layers of Tedlar / Polyester
FRONT FACE	Tempered microstructured glass of high transmissivity
FRAME	Anodised Aluminium
ANTI-THEFT DRILL (*)	Yes
GROUND TERMINAL	Yes
CERTIFICATIONS	IEC 61215 2nd ed., IEC 61730 Class II by means of TÜV certificate, CE



DIMENSIONS



REMARKS

- 5-year guarantee on products and 25-year guarantee on power. For further details please visit www.isofoton.com
- All specifications are subject to change without prior notice. For further details please visit www.isofoton.com