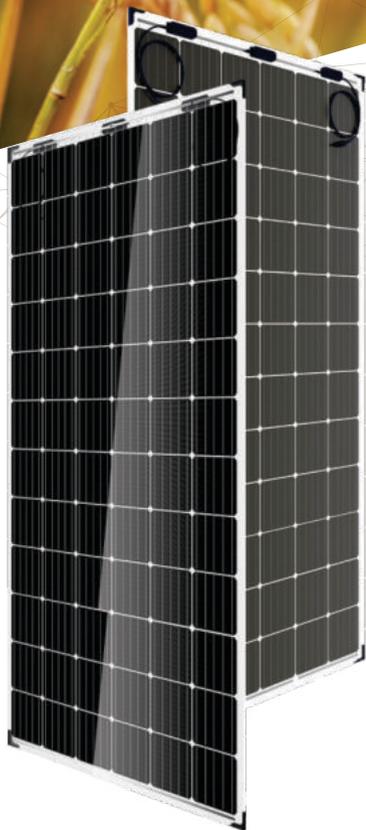


SOLAR MODULE 400 W



72 CELL - FRAMELESS BIFACIAL MONOCRYSTALLINE



ADVANCED PERC CELL TECHNOLOGY

Absorbing more light, High module efficiency
Low breakage rate, Annual power degradation 0.7%



FAST & SAFE

Easy installation and handling
Environmentally friendly



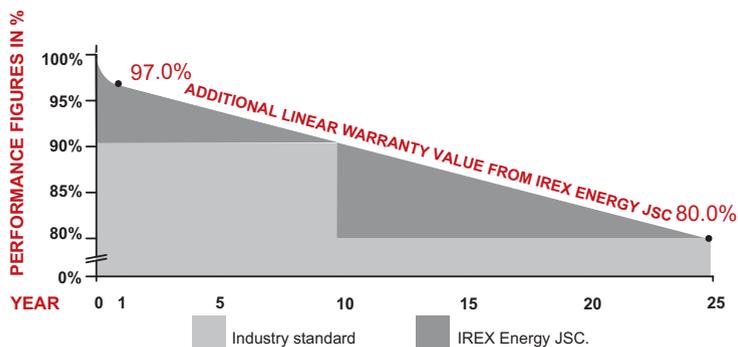
MODULE DURABILITY

5400 Pa snow load, 2400 Pa wind load
Ideal for PV rooftops, ground mount, floating



THE #1 DOMESTIC PV MANUFACTURER IN VIETNAM

100% Automatic production line
International quality PV technology



HIGH QUALITY FOR PROSPERITY

IREX Energy Joint Stock Company produces the #1 Vietnamese-Made Photovoltaic (PV) modules, internationally certified with excellent performance and flexible in customization per demand.

Going solar requires a long-term commitment. For this, all our solar modules are insured by MunichRe, world's best reinsurance provider. You can sit back, relax and enjoy the sunshine; as our company and warranty partner will always be with you in 25 years!

With the finest price and customer service can only be found at IREX Joint Stock Company, we look forward to working with you soon!

IREX ENERGY JOINT STOCK COMPANY

Head Office: No. 47, Le Van Thinh Street, Quarter 5, Binh Trung Dong Ward, Thu Duc City, HCMC, Vietnam
Factory Address: Road No. 1A, Phu My 1 Industrial Zone, Tan Phuoc Ward, Phu My Town, Ba Ria - Vung Tau Province, Vietnam
Tel: +84-28-7300-1559 | Email: info@irex.vn | Website: www.irex.vn
Fax HCMC: +84-28-7300-6760 | Fax IREX Factory: +84-254-2923-594



CERTIFICATES



ID: 44 100 21 94 0003

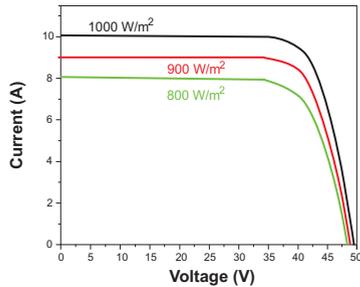


ISO 14001:2015
Environmental Management System
qms.com.au
AN: 514109488A

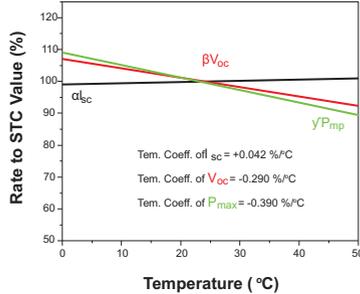
ISO 9001:2015: Quality Management System
ISO 14001:2015: Environmental Management System

PERFORMANCE

Electrical Performance at 25°C, AM 1.5



Temperature Dependence of I_{sc} , V_{oc} & P_{max} at 1000 W/m², AM 1.5



ELECTRICAL CHARACTERISTICS STC

IRM72B1-400

Maximum Power (P_{max})	490 W
Power Tolerance (W_p)	0 ~ 5
Module Efficiency	19.40 %
Maximum Power Current (I_{mp})	9.60 A
Maximum Power Voltage (V_{mp})	41.7 V
Short Circuit Current (I_{sc})	10.12 A
Open Circuit Voltage (V_{oc})	49.5 V

Values at Standard Test Conditions

(STC: AM 1.5 Spectrum, Irradiance of 1000 W/m², Cell Temperature 25°C)

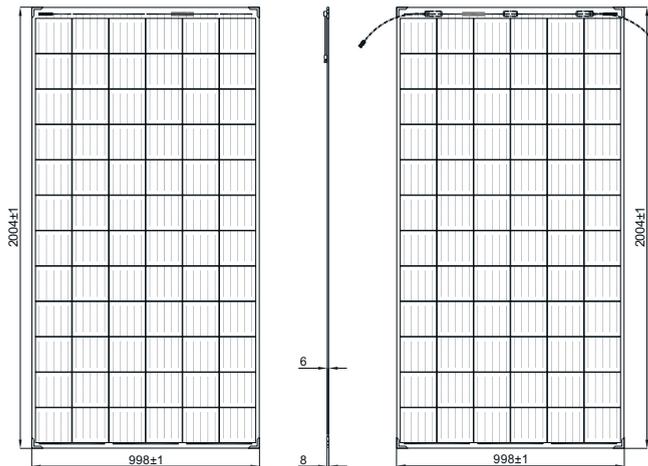
ELECTRICAL CHARACTERISTICS NMOT

IRM72B1-400

Maximum Power (P_{max})	299 W
Maximum Power Current (I_{mp})	7.75 A
Maximum Power Voltage (V_{mp})	38.7 V
Short Circuit Current (I_{sc})	8.16 A
Open Circuit Voltage (V_{oc})	45.8 V

Values at Nominal Module Operating Temperature

(NMOT: AM 1.5 Spectrum, Irradiance of 800 W/m², Ambient Temperature 20°C, Wind Speed 1 m/s)



MECHANICAL CHARACTERISTICS

- Cell Type
- Front Cover
- Back Cover
- Frame
- Junction Box
- Dimension
- Output Cable
- Weight
- Connector

- 158.75 x 158.75 mm Bifacial Monocrystalline, 72 (6 x 12) pcs in series
- 2.0 mm High Transmission, Low Iron, Tempered Glass with Anti-Reflective Coating
- 2.0 mm High Transmission, Low Iron, Tempered Glass with Anti-Reflective Coating
- Frameless
- 3 bypass diodes, IP 68 rated in accordance with IEC 62790
- 2004 x 998 x 6 mm
- 4 mm², 250mm(+)/ 350mm(-) or Customized Length in accordance with IEC 62852
- 24 kg (approx)
- MC4 Compatible

PACKING INFORMATION

Container	20' GP	40' GP	40' HQ
Pallets per Container	10	22	22
Pieces per Container	300	660	660

OPERATING CONDITIONS

Operating Temperature	-40°C ~ +85°C
Maximum System Voltage	1500 VDC
Maximum Series Fuse Rating	20 A
NMOT	45°C ± 2°C
Application Class	Class A