

# SOLAR MODULE 360 W



72 CELLS-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



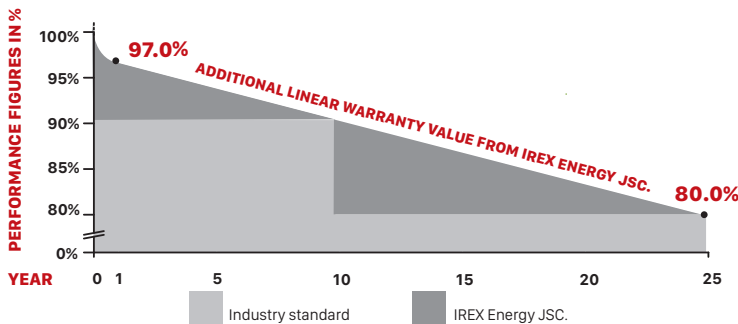
### MODULE DURABILITY

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



## CERTIFICATES



- IEC 61215:** Terrestrial photovoltaic (PV) modules – Design qualification and type approval
- IEC 61730:** Photovoltaic (PV) module safety qualification
- UL 1703, ULC/ORD-C1703:2018:** Standard for Flat-Plate Photovoltaic Modules and Panels
- IS 14286:2010:** Crystalline Silicon Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval
- IEC 61701:** Salt mist corrosion testing of PV Modules
- IEC 62716:** Photovoltaic modules - Ammonia corrosion testing
- ISO 9001:2015:** Quality Management System
- ISO 14001:2015:** Environmental Management System

## 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!

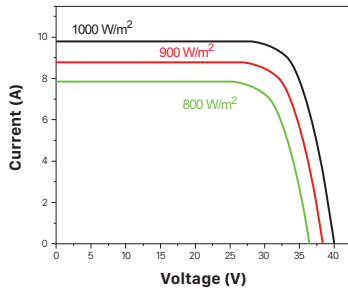
## IREX ENERGY JOINT STOCK COMPANY

**Head Office:** No. 47, Le Van Thinh Street, Quarter 5, Binh Trung Dong Ward, District 2, 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

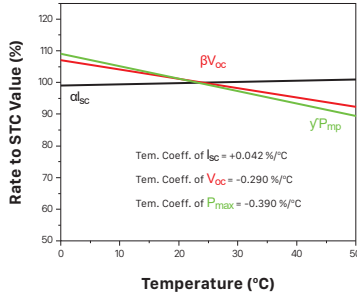


## PERFORMANCE

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

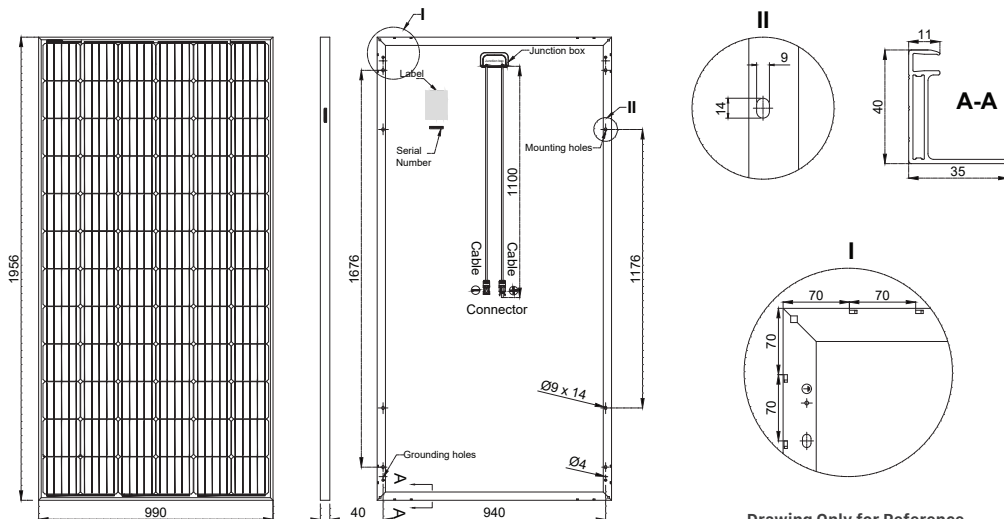
IRM72S-360

Maximum Power ( $P_{max}$ )	360 W
Power Tolerance	0 ~ 3 %
Module Efficiency	18.59 %
Maximum Power Current ( $I_{mp}$ )	9.34 A
Maximum Power Voltage ( $V_{mp}$ )	38.55 V
Short Circuit Current ( $I_{sc}$ )	9.87 A
Open Circuit Voltage ( $V_{oc}$ )	47.73 V
Module Fire Performance	Type 1 (UL 1703) or Class C (IEC 61730)
Values at Standard Test Conditions (STC: AM 1.5 Spectrum, Irradiance of 1000 W/m², Cell Temperature 25°C)	

## ELECTRICAL CHARACTERISTICS NMOT

IRM72S-360

Maximum Power ( $P_{max}$ )	262 W
Maximum Power Current ( $I_{mp}$ )	7.37 A
Maximum Power Voltage ( $V_{mp}$ )	35.56 V
Short Circuit Current ( $I_{sc}$ )	7.88 A
Open Circuit Voltage ( $V_{oc}$ )	44.42 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)	



Drawing Only for Reference

## MECHANICAL CHARACTERISTICS

Cell Type	156.75 x 156.75 mm Monocrystalline, 72 (6 x 12) pcs in series
Front Cover	3.2 mm High Transmission, Low Iron, Tempered Glass with Anti-Reflective Coating
Back Cover	Composite film
Frame	Anodized Aluminum Alloy type 6063 - T5 (Silver/ Black)
Junction Box	3 bypass diodes, IP 68 rated in accordance with IEC 62790
Dimension	1956 x 990 x 40 mm
Output Cable	4 mm² (IEC)/ 12 AWG (UL), 1100 mm in accordance with IEC 62852
Weight	22 kg (approx)
Connector	MC4 Compatible

## PACKING INFORMATION

Container	20' GP	40' GP	40' HQ
Pallets per Container	10	24	24
Pieces per Container	270	648	696

## OPERATING CONDITIONS

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