

# SOLAR MODULE 300 W

# IREX

a member of SolarSK

60 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



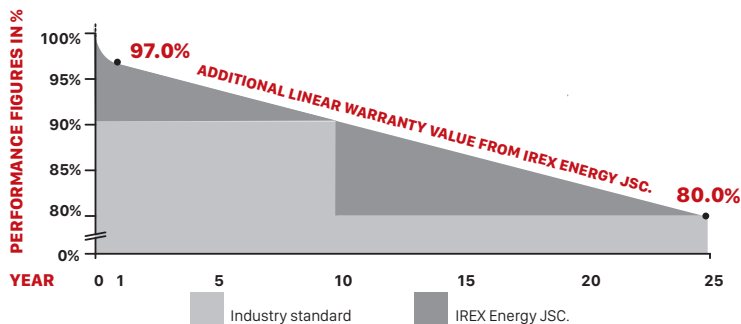
## MODULE DURABILITY

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



Munich RE

12 - years  
Material & workmanship

25 - years  
Linear power Output

## CERTIFICATES



ISO 14001: 2015  
Environmental Management System  
gms.com.au

**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!**

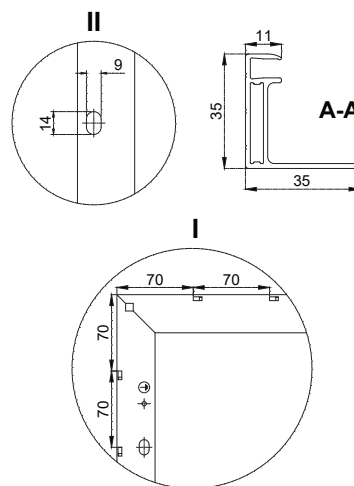
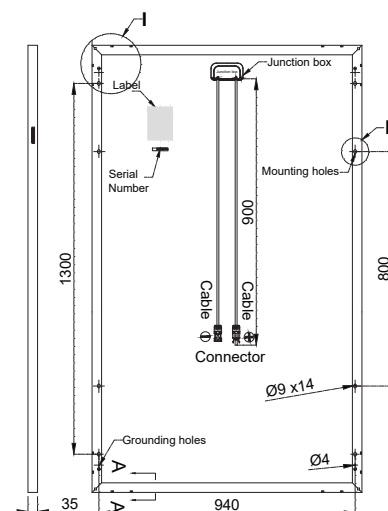
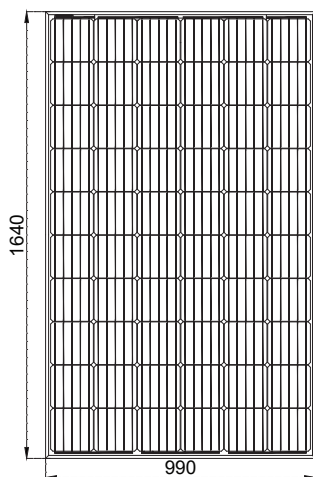
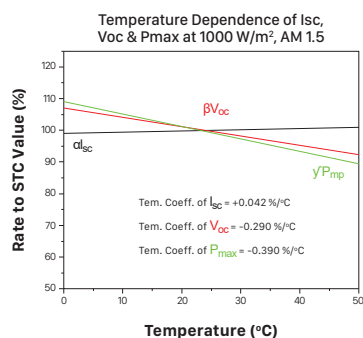
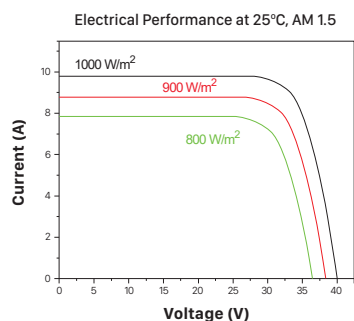
With the **finest price and customer service** can only be found at IREX Joint Stock Company, we look forward to working with you soon!

## IREX ENERGY JOINT STOCK COMPANY

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## PERFORMANCE



**Drawing Only for Reference**

## ELECTRICAL CHARACTERISTICS STC

# IRM60S-300

|  |   |
|--|---|
| Maximum Power (Pmax)   | 300 W                                   |
| Power Tolerance  | 0 ~ 3 %                                 |
| Module Efficiency  | 18.48 %                                 |
| Maximum Power Current (Imp)  | 9.26 A                                  |
| Maximum Power Voltage (Vmp)  | 32.40 V                                 |
| Short Circuit Current (Isc)  | 9.80 A                                  |
| Open Circuit Voltage (Voc)   | 40.08 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

# IRM60S-300

|  |         |
|--|---------|
| Maximum Power (Pmax)   | 219 W   |
| Maximum Power Current (Imp)  | 7.34 A  |
| Maximum Power Voltage (Vmp)  | 29.85 V |
| Short Circuit Current (Isc)  | 7.82 A  |
| Open Circuit Voltage (Voc)   | 37.20 V |
| Values at Nominal Module Operating Temperature<br>(NMOT: AM 1.5 Spectrum, Irradiance of 800 W/m², Ambient Temperature 20°C,<br>Wind Speed 1 m/s) |         |

## MECHANICAL CHARACTERISTICS

|              |   |
|--------------|---|
| Cell Type    | 156.75 x 156.75 mm Monocrystalline, 60 (6 x 10) 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    | 1640 x 990 x 35 mm  |
| Output Cable | 4 mm <sup>2</sup> (IEC)/ 12 AWG (UL), 900 mm in accordance with IEC 62852       |
| Weight       | 19 kg (approx)  |
| Connector    | MC4 Compatible  |

## PACKING INFORMATION

|                       |        |        |        |
|-----------------------|--------|--------|--------|
| Container             | 20' GP | 40' GP | 40' HQ |
| Pallets per Container | 12     | 28     | 28     |
| Pieces per Container  | 360    | 840    | 896    |

## 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                       |