SOLAR MODULE
310 W

IREX
a member of SolarBK

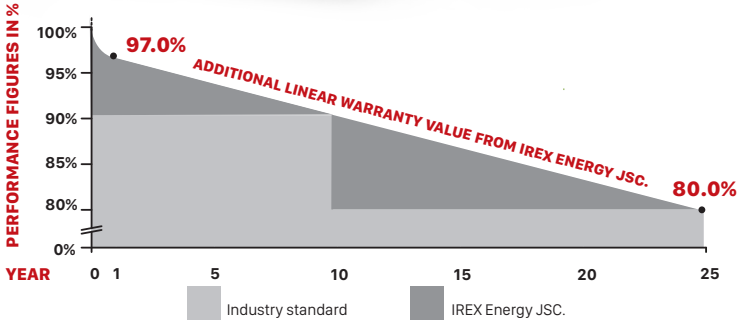
60 CELLS-MONOCRYSTALLINE

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

cULus LISTED [PHOTOVOLTAIC MODULE OVER 600 VOLTS] E494023

TÜV NORD ISO 9001

QMS Certification Services ISO 14001: 2015 Environmental Management System qms.com.au AN: S1410994MA

UL 1703, ULC/ORD-C1703:2018: Standard for Flat-Plate Photovoltaic Modules and Panels
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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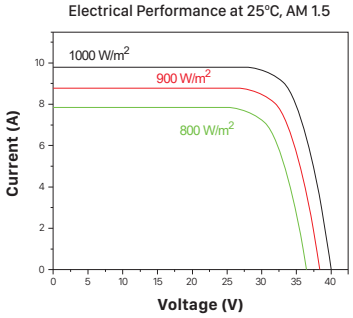
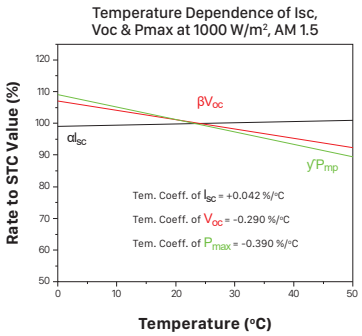
Fax HCMC: +84-28-7300-6760 | **Fax IREX Factory:** +84-254-2923-594

PERFORMANCE





ELECTRICAL CHARACTERISTICS STC — IRM60S-310

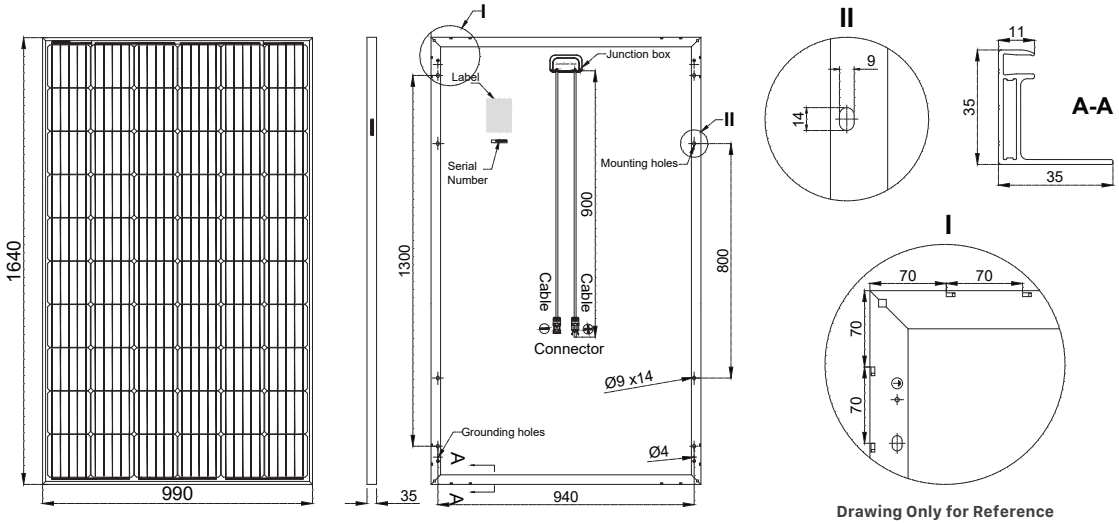
Maximum Power (Pmax)	310 W
Power Tolerance	0 ~ 3 %
Module Efficiency	19.09 %
Maximum Power Current (Imp)	9.38 A
Maximum Power Voltage (Vmp)	33.05 V
Short Circuit Current (Isc)	9.92 A
Open Circuit Voltage (Voc)	40.71 V
Module Fire Performance	Type 1 (UL 1703) or Class C (IEC 61730)

Values at Standard Test Conditions
(STC: AM 1.5 Spectrum, Irradiance of 1000 W/m², Cell Temperature 25°C)

ELECTRICAL CHARACTERISTICS NMOT — IRM60S-310

Maximum Power (Pmax)	226 W
Maximum Power Current (Imp)	7.41 A
Maximum Power Voltage (Vmp)	30.50 V
Short Circuit Current (Isc)	7.92 A
Open Circuit Voltage (Voc)	37.78 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, 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 (Black)
Junction Box	3 bypass diodes, IP 68 rated in accordance with IEC 62790
Dimension	1640 x 990 x 35 mm
Output Cable	4 mm² (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