

SMALL SOLAR MODULE

90 W

IREX
a member of SolarSK

IRM36SC2
MONOCRYSTALLINE



OFF-GRID APPLICATIONS

Ideal for lighting, navigating, charging, etc.
Perfect for engineering projects and mobile devices



FAST, SAFE & VERSATILE

Easy installation and handling, Power Outage Relief
Flexible design, Customizing on demand
Power outage and disaster relief



WARRANTY & DURABILITY

5 years Warranty Materials & Workmanship
2400 Pa Snow and Wind load



THE #1 DOMESTIC PV MANUFACTURER IN VIETNAM

100% Automatic production line
International quality PV technology

CERTIFICATES



ID 44 100 20 84 0003



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

AN: S1410994MA

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!**

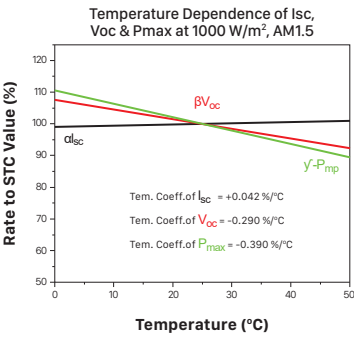
With the **finest price and customer service** can only be found at IREX Joint Stock Company, we look forward to working with you soon!

IREX ENERGY JOINT STOCK COMPANY

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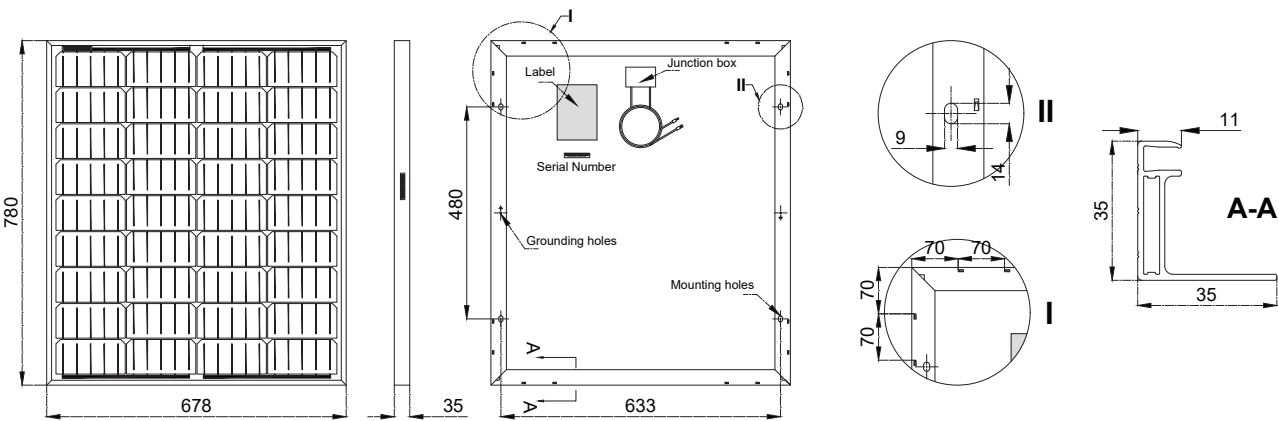


PERFORMANCE



ELECTRICAL CHARACTERISTICS STC IRM36SC2-90

Nominal Max Power (P_{max})	90 W
Power Tolerance	0 ~ 3 %
Module Efficiency	17.02 %
Max Power Current (I_{mp})	4.51 A
Max Power Voltage (V_{mp})	20.03 V
Short Circuit Current (I_{sc})	4.59 A
Open Circuit Voltage (V_{oc})	24.10 V
Values at Standard Test Conditions	
(STC: Spectrum AM 1.5, Irradiance of 1000 W/m ² , Cell Temperature 25°C)	



Drawing Only for Reference

MECHANICAL CHARACTERISTICS

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

78.375 x 156.75 mm, Monocrystalline, 36 (9 x 4) pcs in series
3.2 mm High Transmission, Low Iron, Tempered Glass
Composite film
Anodized Aluminum Alloy type 6063-T5 (Silver/ Black)
2 bypass diodes, IP 65 rated in accordance with IEC 62790
780 x 678 x 35 mm
4 mm² (IEC)/ 12 AWG (UL), 1000 mm in accordance with IEC 62852
6.5 kg (approx)
MC4 Compatible

PACKING INFORMATION

Container	20' GP	40' GP	40' GP
Pallets per Container	8	16	16
Pieces per Container	480	960	960

OPERATING CONDITIONS

Operating Temperature	-40°C ~ +85°C
Maximum System Voltage	600 VDC
Maximum Series Fuse Rating	12 A
NMOT	45°C ± 2°C
Application Class	Class C