

SMALL SOLAR MODULE

100 W

IREX
a member of Solar**9K**

IRP44SC2
POLYCRYSTALLINE



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



ISO 14001:2015
Environmental Management System
qms.com.au
AN: 51410944A

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!**

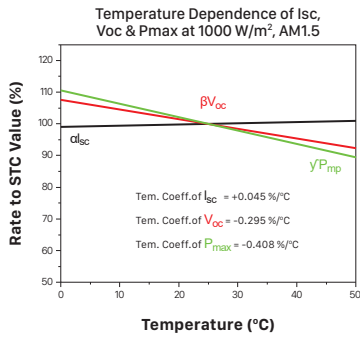
With the **finest price and customer service** can only be found at IREX Joint Stock Company, we look forward to working with you soon!

IREX ENERGY JOINT STOCK COMPANY

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PERFORMANCE

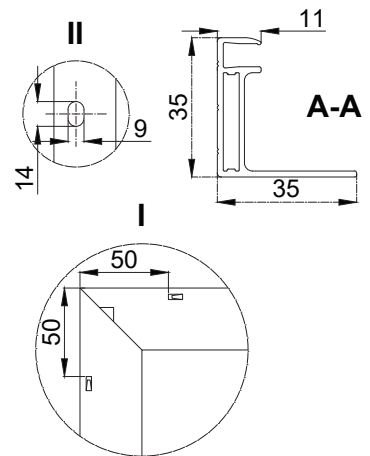
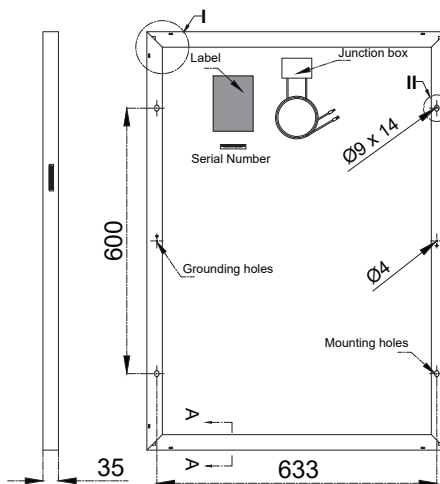
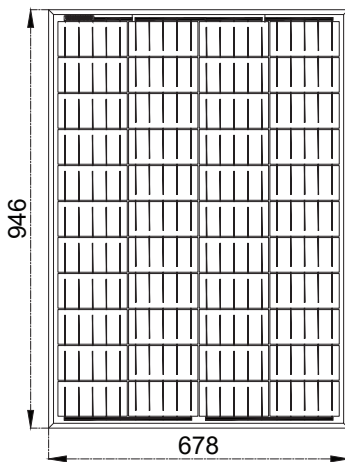


ELECTRICAL CHARACTERISTICS STC IRP44SC2-100

Max Power (Pmax)	100 W
Power Tolerance	0 ~ 3 %
Module Efficiency	15.59 %
Max Power Current (Imp)	4.23 A
Max Power Voltage (Vmp)	23.83 V
Short Circuit Current (Isc)	4.49 A
Open Circuit Voltage (Voc)	28.03 V

Values at Standard Test Conditions

(STC: Spectrum AM 1.5, Irradiance of 1000 W/m², 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 157 mm, Polycrystalline, 44 (11 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
 946 x 678 x 35 mm
 4 mm² (IEC)/ 12 AWG (UL), 1000 mm in accordance with IEC 62852
 7.8 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