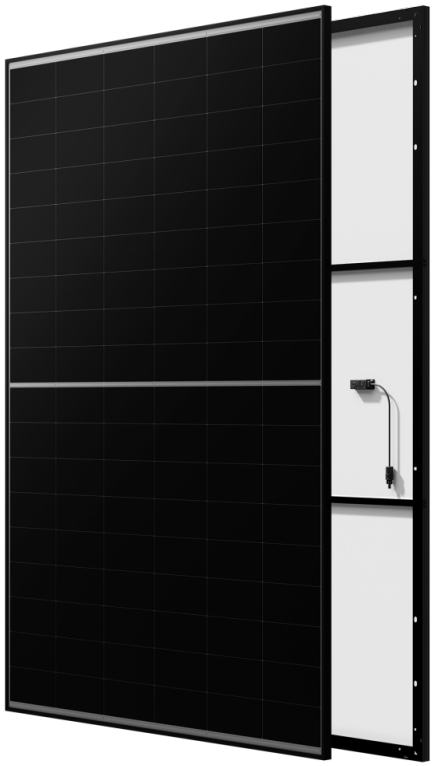
SOLAR MODULE
515 - 535 W

G12R - 182 x 210 mm
HALF CUT PV MODULE
LIGHT PANEL



THE #1 DOMESTIC PV MANUFACTURER IN VIETNAM

100% automatic production line;
Strict Quality control base on international standard;
Qucikly custom service;

MODULE TECHNOLOGY

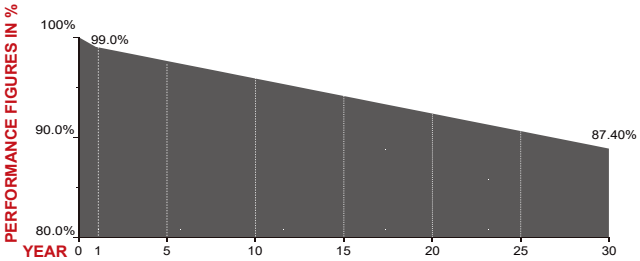
Thinner glass bring light weight: 7kg/m^2
Annual power degradation 0.4%

BEST MATERIALS

Based on G12R-182 x 210 mm topcon cells with higest effeciency;
All the material are from tier 1 companies.

OUR MODULE BENEFITS

Easy to install and maintanence;
No damage to house structure;



0 ~ +5W Power Tolerance

15 - years Material & workmanship

30 - years Linear power Output

GUARANTEED MODULE PERFORMANCE FROM IREX ENERGY JSC

CERTIFICATES

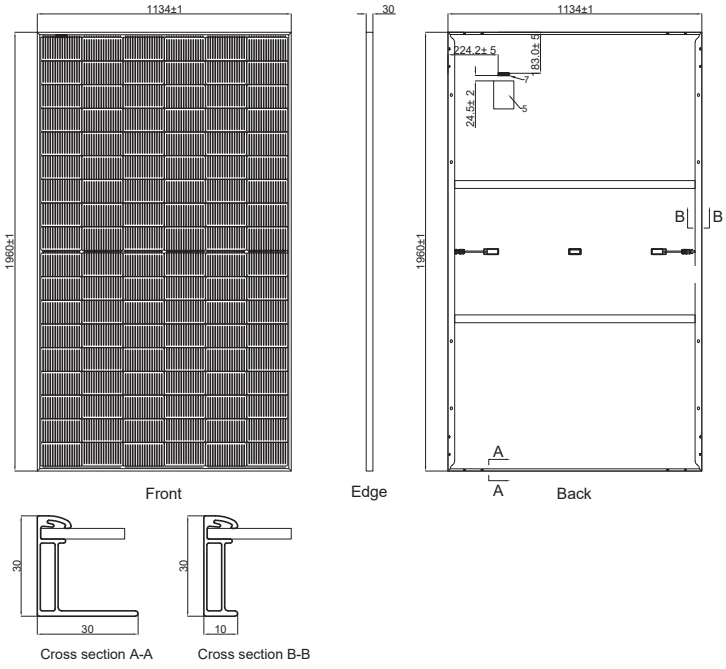
ISO 9001:2015: Quality Management System
ISO 14001:2015: Environmental Management System
IEC 61215: Terrestrial Photovoltaic (PV) Modules – Design Qualification and Type Approval*
IEC 61730: Photovoltaic (PV) Module Safety Qualification*
(*) In progress

IREX ENERGY JOINT STOCK COMPANY
Head Office: No. 47, Le Van Thinh Street, Quarter 5, Binh Trung Ward, HCMC, Vietnam.
Factory Address: Road No. 1A, Phu My 1 Industrial Zone, Tan Phuoc Ward, HCMC, Vietnam.
Tel: +84 (0)28 7300 1559 | **Email:** info@irex.vn I **Website:** www.irex.vn

SOLAR MODULE
515 - 535 W

Mechanical Specifications

External Dimensions	1960 x 1134 x 30 mm
Weight	15.6 kg
Solar Cells	N-Type TOPCon Mono 105 x 182mm (108 pcs)
Front Glass	1.6 mm AR coating tempered glass, low iron
Frame	Anodized aluminium alloy
Junction Box	IP68, 3 diodes
Output Cables	4.0 mm², 300 mm(+)/ 200 mm(-) or Customized Length
Mechanical Load	Front Side Maximum Static Loading 3600Pa Rear Side Maximum Static Loading 2400Pa



*Tolerrance: Length: ±2 mm Width: ±2 mm Height: ±1 mm Row Pitch: ±2 mm

Electrical Characteristics

Module Type	IRM54HT5-515		IRM54HT5-520		IRM54HT5-525		IRM54HT5-530		IRM54HT5-535	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax)	515	390	520	394	525	398	530	402	535	406
Open Circuit Voltage (Voc)	40.60	38.57	40.78	38.74	40.96	38.91	41.14	39.08	41.32	39.25
Short Circuit Current (Isc)	15.98	12.90	16.01	12.92	16.04	12.95	16.07	12.97	16.10	13.00
Maximum Power Voltage (Vmp)	33.67	32.44	33.87	32.69	34.07	32.95	34.27	33.20	34.47	33.45
Maximum Power Current (Imp)	15.30	12.03	15.36	12.06	15.42	12.08	15.48	12.10	15.54	12.12
Module Efficiency at STC (ηm)	23.2		23.4		23.6		23.8		24.1	
Power Tolerance	(0 ~ +5 W)									
Maximum System Voltage	1500 VDC									
Maximum Series Fuse Rating	25 A									

STC: Irradiance 1000 W/m², Cell Temperature 25°C, AM=1.5

NMOT: Irradiance 800 W/m², Ambient Temperature 20°C, AM=1.5, Wind Speed 1m/s

Temperature Characteristics

Pmax Temperature Coefficient	-0.26 %/°C
Voc Temperature Coefficient	-0.22 %/°C
Isc Temperature Coefficient	+0.05 %/°C
Operating Temperature	-40～+85 °C
Nominal Module Operating Temperature (NMOT)	45 ± 2 °C

Packing Configuration

	1960 x 1134 x 30 mm	
Container	20'GP	40'HQ
Pieces per Pallet	37	37
Pallets per Container	5	26
Pieces per Container	185	962