SOLAR MODULE
660 - 675 W

G12R - BackContact Full-Screen Module With Single Glass



N-TYPE BACKCONTACT CELL TECHNOLOGY

Based on G12R-182x192 mm wafer with multi-busbar
Best choice for ultra-large power plants

MODULE TECHNOLOGY

Half-cut cell technology; High module efficiency
Low breakage rate; Annual power degradation 0.35%
Less power loss by minimizing the shading impact

HOT SPOT LOSS

Optimized electrical design and lower operating current
Reduced hot spot loss and better temperature coefficient.

FAST & SAFE

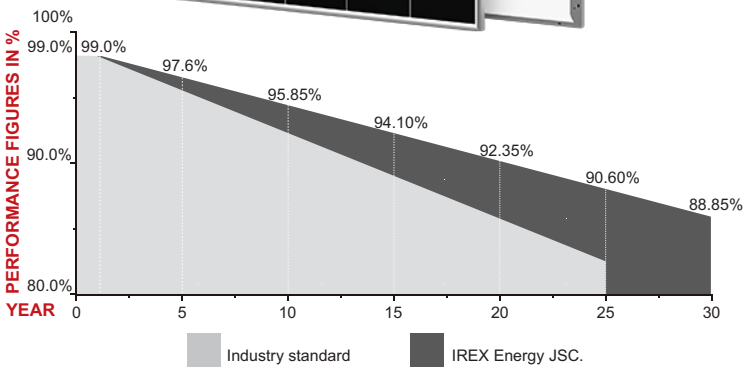
Easy installation and handling
Environmentally friendly

MODULE DURABILITY

Mechanical load test Front side 5400Pa/Rear side 2400Pa
Ideal for PV rooftops, ground mount, floating

THE #1 DOMESTIC PV MANUFACTURER IN VIETNAM

100% Automatic production line
International quality PV technology



ADDITIONAL LINEAR WARRANTY VALUE FROM IREX ENERGY JSC

0 ~ +5W Power Tolerance

15 - years Material & workmanship

30 - years Linear power Output

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

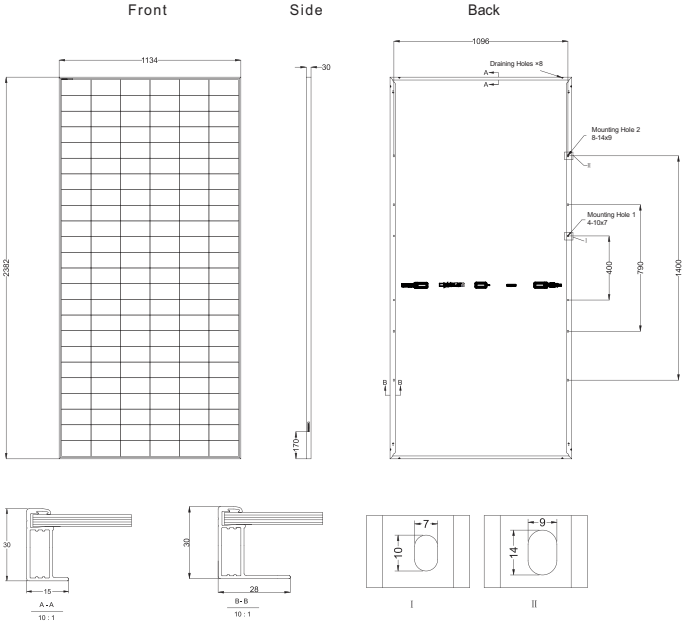
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SOLAR MODULE
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Mechanical Specifications

External Dimensions	2382 x 1134 x 30 mm
Weight	28.1 kg
Solar Cells	N-type BackContact (144 pcs)
Glass	3.2 mm, AR coating, semi-tempered
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 5400Pa Rear Side Maximum Static Loading 2400Pa



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

Electrical Characteristics

Module Type	IRM72HXF6-660		IRM72HXF6-665		IRM72HXF6-670		IRM72HXF6-675	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax)	660	500	665	504	670	508	675	512
Open Circuit Voltage (Voc)	54.20	51.43	54.30	51.53	54.40	51.63	54.50	51.73
Short Circuit Current (Isc)	15.18	12.27	15.12	12.32	15.30	12.37	15.36	12.42
Maximum Power Voltage (Vmp)	45.50	43.17	45.60	43.27	45.70	43.37	45.80	43.47
Maximum Power Current (Imp)	14.51	11.60	14.59	11.66	14.67	11.72	14.74	11.78
Module Efficiency at STC (ηm)	24.4		24.6		24.8		25.0	
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

	2382 x 1134 x 30 mm	
Container	20'GP	40'HQ
Pieces per Pallet	37	37
Pallets per Container	4	20
Pieces per Container	148	740