

SOLARIX INFINITUM HJT G12 SERIES UTILITY MODULE

BIFACIAL MODULE WITH DUAL GLASS



PRODUCT CERTIFICATES (In Progress)
IEC 61215/IEC 61730/UL 61730/ TÜV

EXCEPTIONAL WARRANTY **Munich RE**

20 year Enhanced Product Warranty 30 year Linear Power Performance Warranty

- ✓ HJT 3.0 Technology providing the HIGHEST cell efficiency and higher module power
- ✓ Module power up to 725 W
- ✓ Module efficiency up to 23.25 %
- ✓ Up to 95% Bifaciality facilitating more energy yield from backside with dual glass
- ✓ Compatible with mainstream trackers, cost effective for utility scale plants
- ✓ 1st year power degradation no more than 1%, subsequent annual power degradation no more than 0.3%




MANAGEMENT SYSTEM CERTIFICATES In Progress

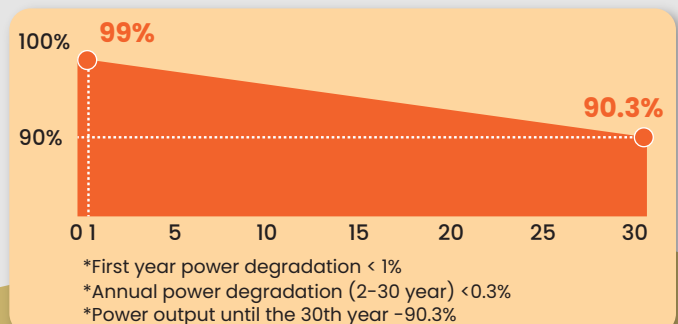
ISO 9001 : 2015 / Quality management system

ISO 14001 : 2015 / Standards for environmental management system

ISO 45001 : 2018 / International standards for occupational health & safety

MORE RELIABLE WITH LOWER DEGRADATION

-  Low risk of hot spot temperature, greatly reduced module failure rate
-  Minimizes micro-crack impacts
-  Heavy snow load up to 5400 Pa, wind load up to 2400 Pa



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ELECTRICAL DATA | STC*

	Nominal Max Power (Pmax)	Opl. Operating Voltage (Vmp)	Opl. Operating Current (Imp)	Open circuit voltage (Voc)	Short Circuit Voltage (Isc)	Module Efficiency
SIHJTG 12-725	725 W	42.63V	17.01 A	50.68V	17.81 A	23.35%
SIHJTG 12-720	720 W	42.49V	16.95 A	50.54V	17.75 A	23.19%
SHJTG 12-715	715 W	42.34V	16.89 A	50.39V	17.69 A	23.02%

*Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 15 and cell temperature of 25°C. The additional gain from the back side compared to the power of the front side at the standard test condition. It depends on mounting (structure, height, sit angle etc.) and albedo of the ground.

ELECTRICAL DATA | BSTC**

	Nominal Max Power (Pmax)	Opl. Operating Voltage (Vmp)	Opl. Operating Current (Amp)	Open Circuit Voltage (Voc)	Short Circuit Voltage (Isc)
SIHJTG 12-725	780 W	42.39V	18.41 A	50.44 V	19.28 A
SIHJTG 12-720	775 W	42.25V	18.35 A	50.29 V	19.22 A
SHJTG 12-715	770 W	42.10V	18.29 A	50.13 V	19.17 A

BSTC: Front side irradiation 1000W/m², backside reflection irradiation 135W/m², AME 1.5, ambient temperature 25°C

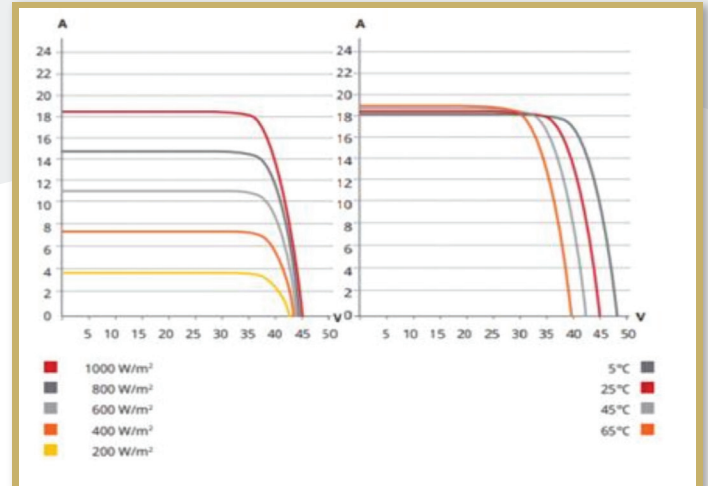
TEMPERATURE CHARACTERISTICS

Specification	Data
Temperature Coefficient (Pmax)	-0.24 %/°C
Temperature Coefficient (voc)	-0.22 %/°C
Temperature Coefficient (isc)	0.04 %/°C
Nominal Module Operating Temperature	44 ±2°C

OPERATING CONDITIONS

Operating Temperature	-40 °C ~ +85°C
Max. System Voltage	1500 V(IEC/UL)
Safety Class	Class II
Max. Series Fuse Rating	35 A
Tolerance of Pmax	0~+3%
Power Sorting	0 ~ +5 W
Power Bifaciality	90±5%

IV CURVES



MECHANICAL DATA

Specification	Data
Cell Type	N-type HJT G12 (210 x 105 mm)
Cell Arrangement	132 Rx (11 x 6)]
Dimensions	2384x1303-35 mm (7.822-4.275 ft)
Weight	40 kg (88.18 lbs)
Front Glass	2.0 mm heat strengthened glass with anti-reflective coating
Back Glass	2.0 mm heat strengthened glass
Frame	U.S. Steel ZMAGTM Coated Steel
J-Box	IP68, 3 bypass diodes
Cable	4.0 mm ² (IEC), 10 AWG (UL)
Cable Length (Including Connector)	410 mm (16.1 in) (+)/250 mm (9.8 in) (-) or customized length*
Connector	PVH4 or MC4-EV02 or MC4-EV02A
Per Pallet	31 pieces
Per Container (40' HQ)	18 pallets or 558 pieces

ENGINEERING DRAWING (MM)

