

「 210mm mono TOPCon half-cell, high-efficiency monofacial module 」

# 685-710W 0-5W Positive Tolerance



### MBB&SMBB Half-cut Cell Technology

New circuit design, lower internal current, and lower Rs loss.



### High Power Density

A new generation of monocrystalline products with reduced resistive losses for greater power output.



### Mechanical Properties

An aluminum frame in special design for better mechanical properties and more efficient installation.



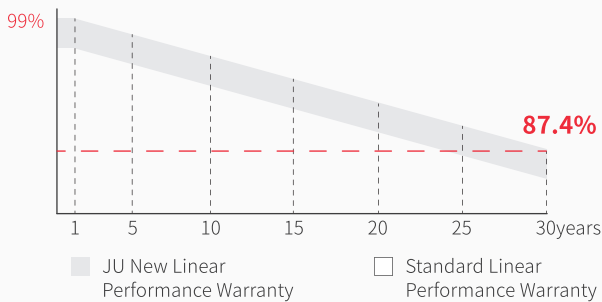
### Excellent Weather Resistance

The solar modules can meet the IEC standard requirements with strong resistant to risks such as salt spray, ammonia gas, dust, snail marks and electric potential induced attenuation.



### 4 Times 100% EL Detection

Guarantee no micro cracks



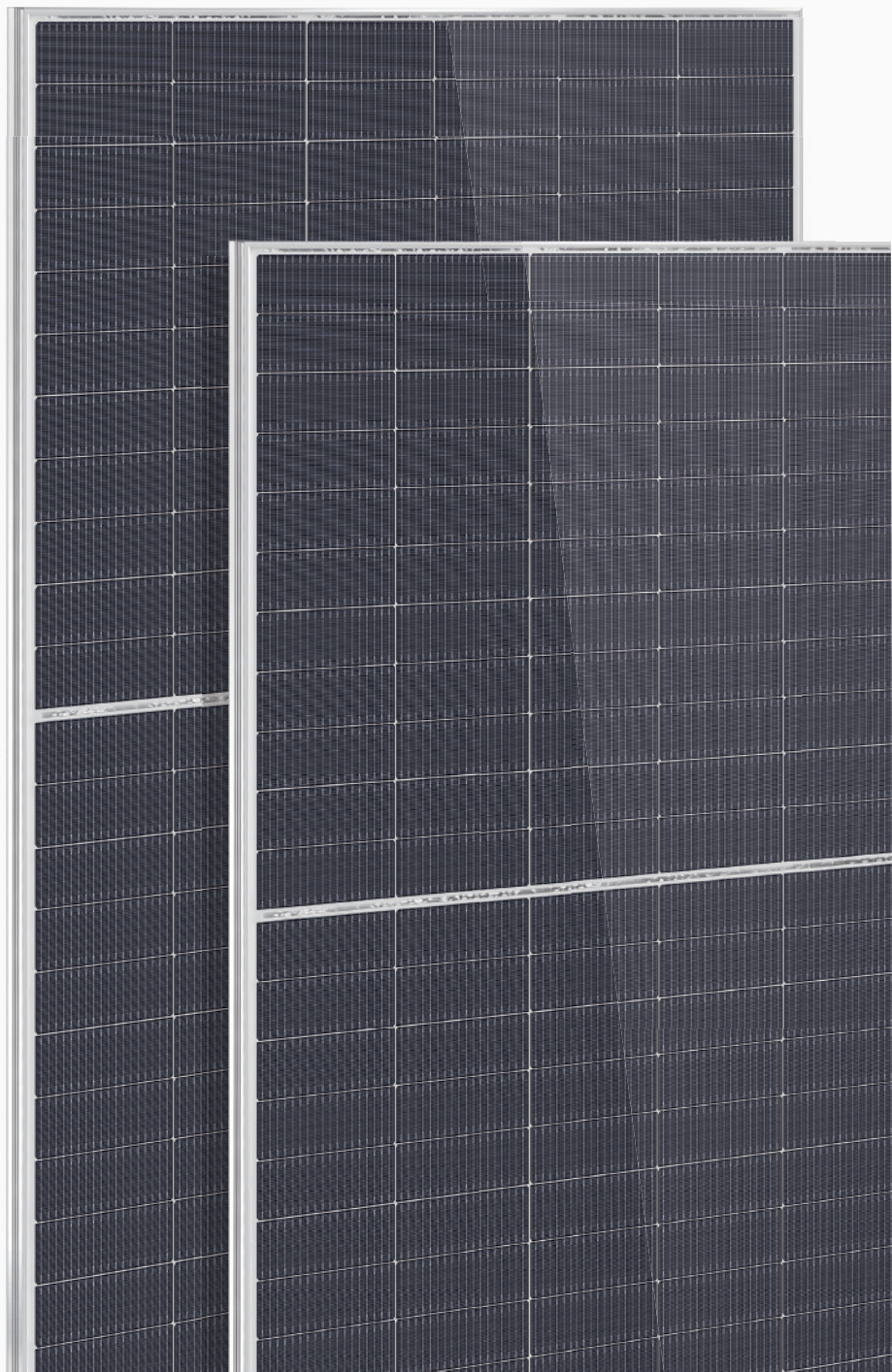
**12years** Material & process Warranty

**30years** Linear Performance Warranty

**1%** Linear Power Degradation in the First Year

**0.4%** Linear Power Degradation Every Year

## PRODUCT QUALITY SYSTEM & CERTIFICATION



## ELECTRICAL PROPERTIES

**JU-210T-66HBG 132PCS**

**STC** : irradiance, 1000W/m<sup>2</sup>; cell temperature, 25°C; spectral range, AM1.5

**NOCT**: irradiance, 800 W/m<sup>2</sup>; ambient temperature, 20 °C; spectral range, AM1.5; wind speed, 1m/s

	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power - P <sub>mp</sub> (W)	685	521	690	526	695	530	700	534	705	538	710	542
Open-circuit voltage - V <sub>oc</sub> (V)	47.70	45.20	47.90	45.40	48.30	45.80	48.60	46.00	48.80	46.20	49.00	46.40
Short-circuit current - I <sub>sc</sub> (A)	18.21	14.67	18.25	14.71	18.28	14.73	18.32	14.76	18.36	14.80	18.40	14.83
Max operating voltage - V <sub>mp</sub> (V)	39.80	37.30	40.10	37.70	40.30	37.80	40.50	38.00	40.70	38.20	40.90	38.40
Max operating current - I <sub>mp</sub> (A)	17.19	13.94	17.23	13.96	17.25	14.02	17.29	14.05	17.33	14.08	17.36	14.12
Module conversion efficiency - η <sub>m</sub>	22.05%		22.21%		22.40%		22.53%		22.70%		22.86%	

## ELECTRICAL PROPERTIES VERSUS POWER GAINS FROM THE REAR (TAKING A IRRADIANCE OF 700W)

Power gain	5%	10%	15%
Maximum power - P <sub>mp</sub> (W)	735	770	775
Open-circuit voltage - V <sub>oc</sub> (V)	48.60	48.60	48.60
Short-circuit current - I <sub>sc</sub> (A)	19.24	20.15	21.07
Max operating voltage - V <sub>mp</sub> (V)	40.50	40.50	40.50
Max operating current - I <sub>mp</sub> (A)	18.15	19.02	19.88
Bifaciality		80±5%	

## ABSOLUTE RATING

Power tolerance (W)	(0, +5)
Mechanical load	Front5400Pa/Back2400Pa
Maximum system voltage (V)	1500
Maximum series fuse rating (A)	30
Operating temperature	-40~+85°C

## MECHANICAL PROPERTIES

Module dimensions(L*W*H)	2384X1303X35mm
Weight	38.5kg
Cell quantity	132PCS
Cell model	N-type TOPCon Monocrystalline210 x 105mm
Glass	2.0mm AR, High Transmission, semi-tempered glass
Frame	Anodized aluminium alloy
Junction box	IP68 Rated
Output line	4.0mm <sup>2</sup> , wire length 300mm
Connector	MC4 Compatible

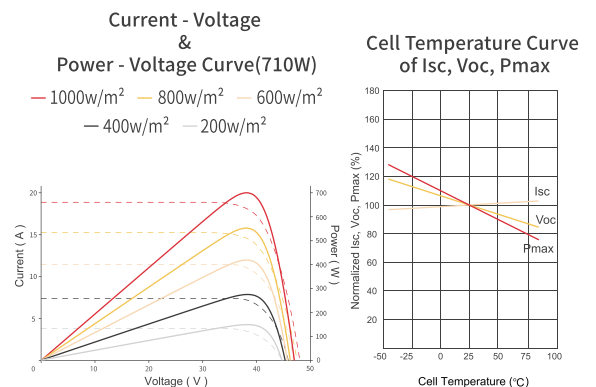
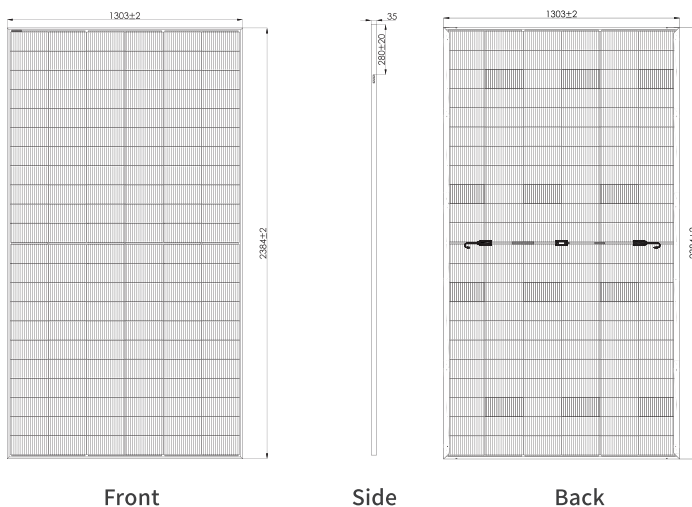
## TEMPERATURE CHARACTERISTIC

Temperature coefficient (P <sub>max</sub> )	-0.30% / °C
Temperature coefficient (V <sub>oc</sub> )	-0.24% / °C
Temperature coefficient (I <sub>sc</sub> )	+0.04% / °C
NMOT	43±2°C

## PACKAGING

Container	40HQ
PCS / Pallet	31
PCS / Container	558

## PRODUCT ASSEMBLY DRAWING(mm)



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20GW ODM|OEM Solar Customization