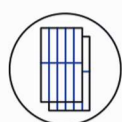


(210mm mono PERC half-cell, high-efficiency monocrystalline module )

## 650-670W 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.



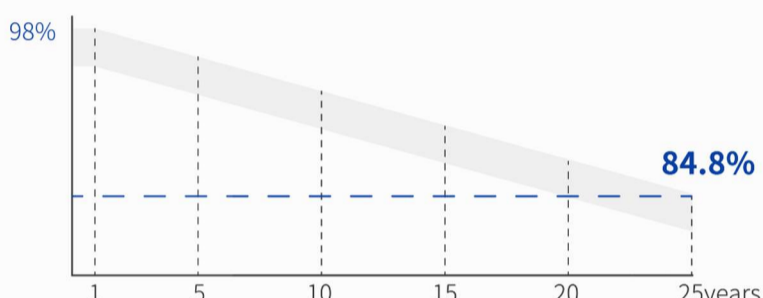
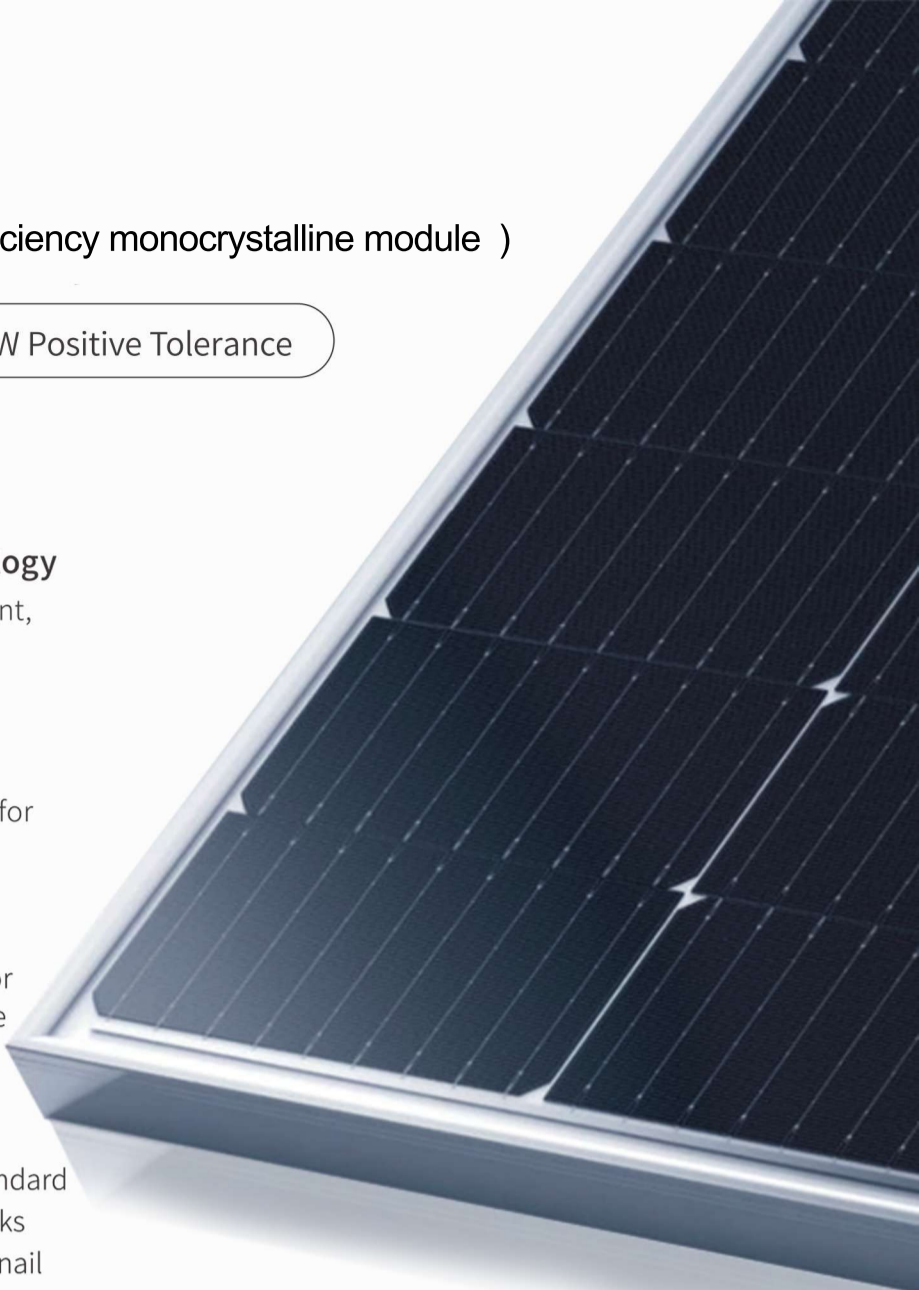
### Excellent Weather Resistance

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



■ JU New Linear Performance Warranty □ Standard Linear Performance Warranty

**12years** Material & process Warranty

**25years** Linear Performance Warranty

**0.55%** Linear Power Degradation

#### PRODUCT QUALITY SYSTEM & CERTIFICATION



#### ELECTRICAL PROPERTIES

**SM-210M-66H 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
Maximum power - P <sub>mp</sub> (W)	650	490	655	494	660	498	665	502	670	506
Open-circuit voltage - V <sub>oc</sub> (V)	45.27	42.55	45.48	42.75	45.64	42.92	45.87	43.12	46.05	43.29
Short-circuit current - I <sub>sc</sub> (A)	18.58	14.96	18.63	15.01	18.66	15.03	18.71	15.06	18.57	15.10
Maximum operating voltage - V <sub>mp</sub> (V)	37.24	34.63	37.42	34.82	37.63	35.01	37.81	35.18	38.02	35.36
Maximum operating current - I <sub>mp</sub> (A)	17.46	14.15	17.51	14.19	17.54	14.23	17.59	14.27	17.63	14.32
Module conversion efficiency - η <sub>m</sub>	20.92%		21.09%		21.25%		21.41%		21.57%	
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)	2384 x 1303 x 35mm
Weight	33.9kg
Cell quantity	132PCS
Cell model	PERC Monocrystalline210 x 105mm
Glass	3.2mm AR, High Transmission, 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> )	-0.34% / °C
Temperature coefficient (V <sub>oc</sub> )	-0.25% / °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)

