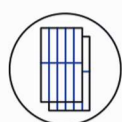


(210mm mono PERC half-cell, high-efficiency monocrystalline module )

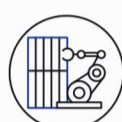
# 585-610W 0-5W Positive Tolerance



**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.



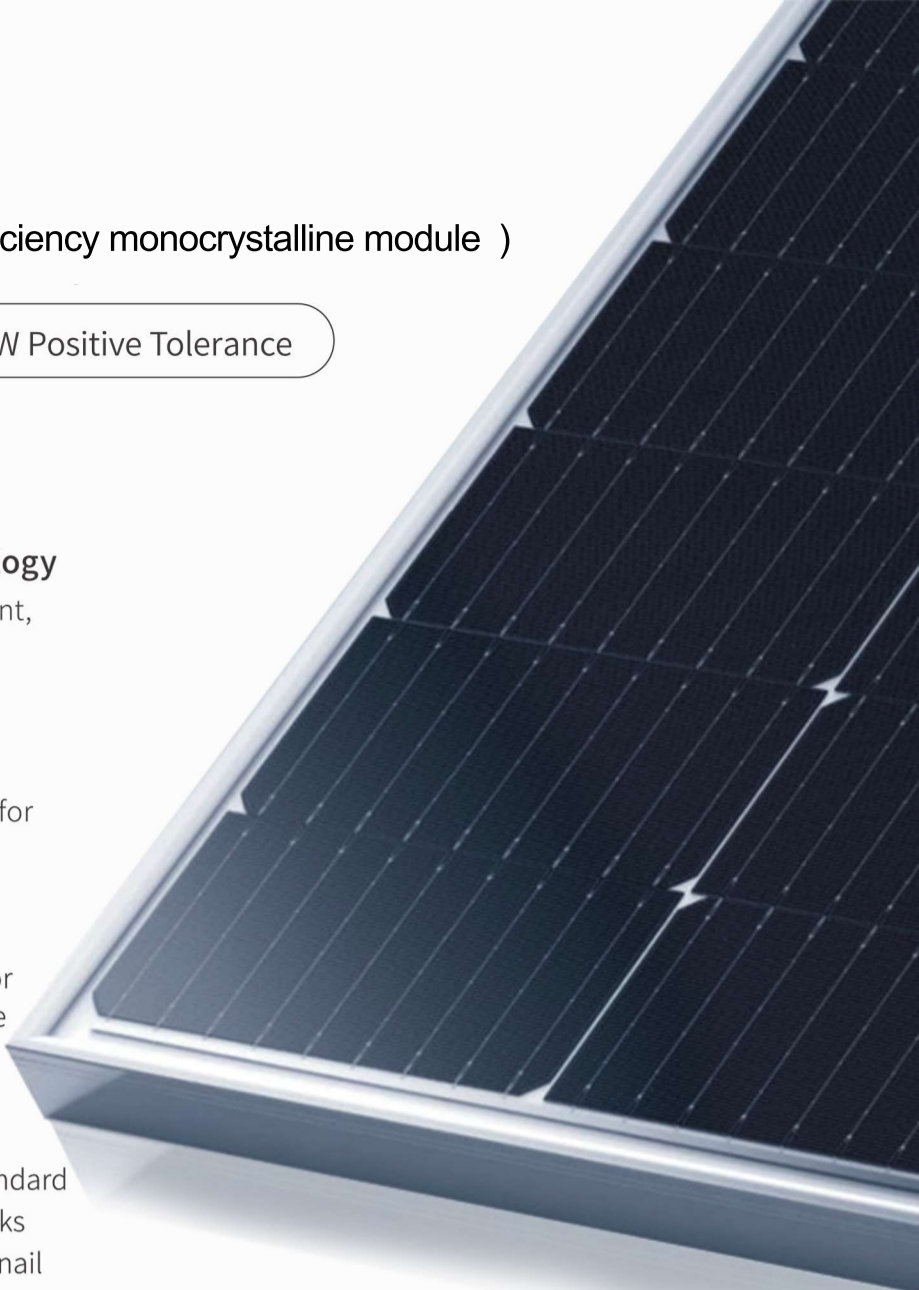
**Mechanical Properties**  
An aluminum frame in special design for better mechanical properties and more efficient installation.



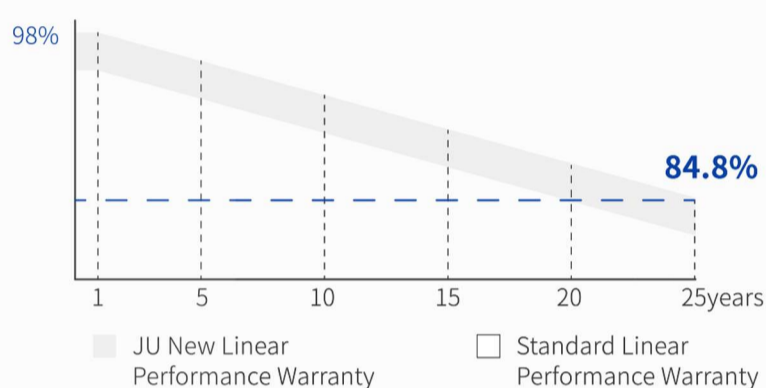
**Excellent Weather Resistance**  
The solar modules can meet the IEC standard requirements with strong resistant to risks such as salt spray, ammonia gas, dust, snail marks and electric potential induced attenuation.



**4 Times 100% EL Detection**  
Guarantee no micro cracks



### PRODUCT QUALITY SYSTEM & CERTIFICATION



**12years** Material & process Warranty

**25years** Linear Performance Warranty

**0.55%** Linear Power Degradation

### ELECTRICAL PROPERTIES

### SM-210M-60H 120PCS

**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)	585	443	590	447	595	451	600	454	605	458	610	462
Open-circuit voltage - V <sub>oc</sub> (V)	40.91	38.51	41.12	38.72	41.31	38.91	41.52	39.12	41.72	39.31	41.92	39.50
Short-circuit current - I <sub>sc</sub> (A)	18.37	14.81	18.42	14.85	18.47	14.88	18.52	14.92	18.57	14.96	18.62	15.00
Maximum operating voltage - V <sub>mp</sub> (V)	33.82	31.52	34.01	31.73	34.22	31.93	34.42	32.02	34.61	32.21	34.80	32.38
Maximum operating current - I <sub>mp</sub> (A)	17.31	14.06	17.35	14.09	17.39	14.13	17.44	14.18	17.49	14.22	17.54	14.27
Module conversion efficiency - η <sub>m</sub>	20.67%		20.85%		21.02%		21.20%		21.38%		21.55%	
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)	2172 x 1303 x 35mm
Weight	30.9kg
Cell quantity	120PCS
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)

