

「182mm mono PERC half-cell, high-efficiency monofacial module」

# 585-605W

0-5W Positive Tolerance



### MBB&SMBB Half-cut Cell Technology

New circuit design, lower internal current, and lower  $R_s$  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.



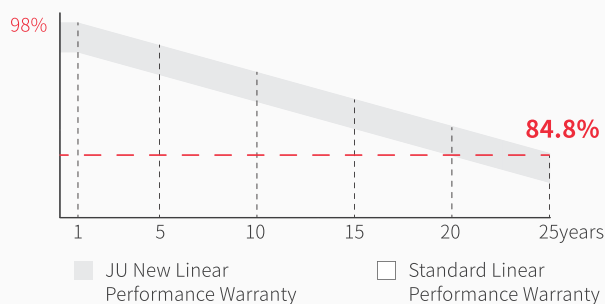
### Excellent Weather Resistance

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

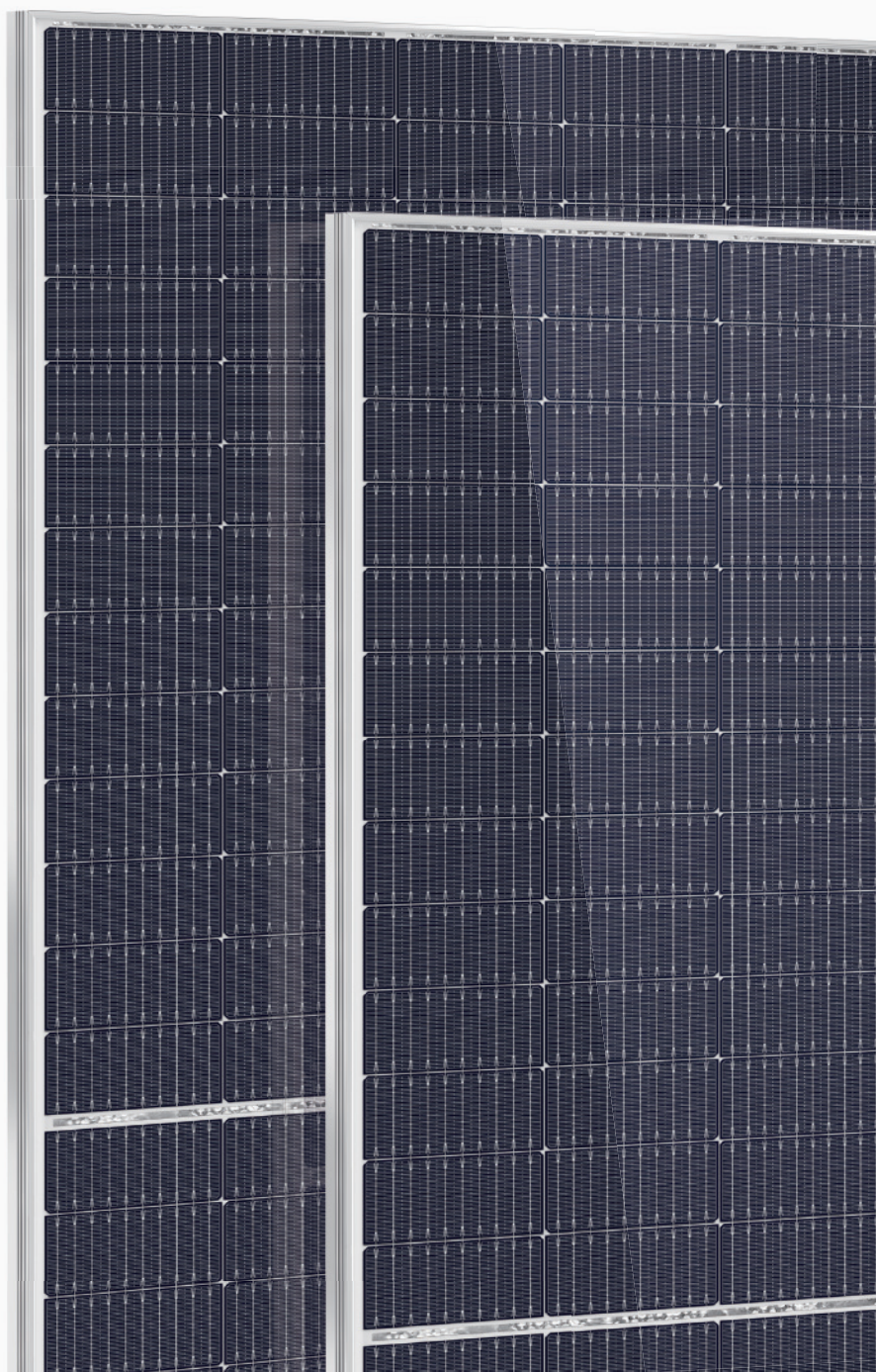


**12years** Material & process Warranty

**25years** Linear Performance Warranty

**0.55%** Linear Power Degradation

#### PRODUCT QUALITY SYSTEM & CERTIFICATION



## ELECTRICAL PROPERTIES

JU-182M-78H 156PCS

**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)	585	436.59	590	440.37	595	444.14	600	447.83	605	451.66
Open-circuit voltage - V <sub>oc</sub> (V)	54.35	50.83	54.60	51.06	54.81	51.26	55.02	51.45	55.23	51.65
Short-circuit current - I <sub>sc</sub> (A)	13.71	11.07	13.76	11.11	13.82	11.16	13.88	11.21	13.94	11.25
Maximum operating voltage - V <sub>mp</sub> (V)	45.57	42.47	45.74	42.63	45.95	42.83	46.16	43.02	46.33	43.18
Maximum operating current - I <sub>mp</sub> (A)	12.84	10.28	12.90	10.33	12.95	10.37	13.00	10.41	13.06	10.46
Module conversion efficiency - η <sub>m</sub>	20.93%		21.11%		21.29%		21.46%		21.64%	
Power tolerance (W)	(0, +5)									
Mechanical load	Front5400Pa/Back2400Pa									
Maximum system voltage (V)	1500									
Maximum series fuse rating (A)	25									
Operating temperature	-40~+85°C									

## STRUCTURAL CHARACTERISTICS

Module dimensions(L*W*H)	2465 x 1134 x 35mm
Weight	31.5kg
Cell quantity	156PCS
Cell model	PERC Monocrystalline182 x 91mm
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

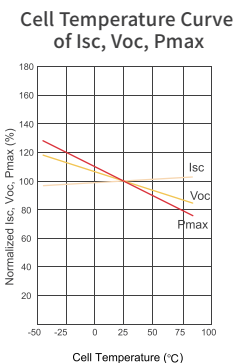
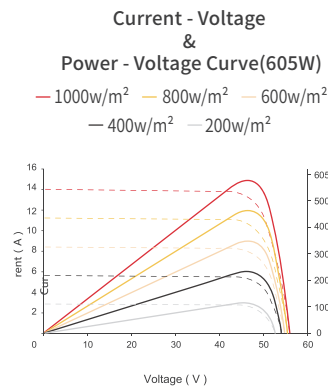
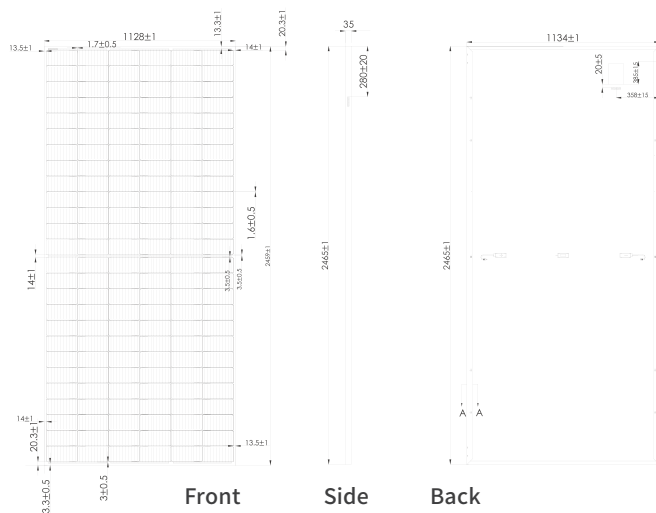
## TEMPERATURE CHARACTERISTIC

Temperature coefficient (P <sub>max</sub> )	-0.35% / °C
Temperature coefficient (V <sub>oc</sub> )	-0.27% / °C
Temperature coefficient (I <sub>sc</sub> )	+0.048% / °C
NMOT	45±2°C

## PACKAGING

Container	40HQ
PCS / Pallet	31
PCS / Container	496

## PRODUCT ASSEMBLY DRAWING(mm)



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\*Specifications included in this datasheet are subject to change without notice.

JinenU reserves the right of final interpretation. (202304V02)