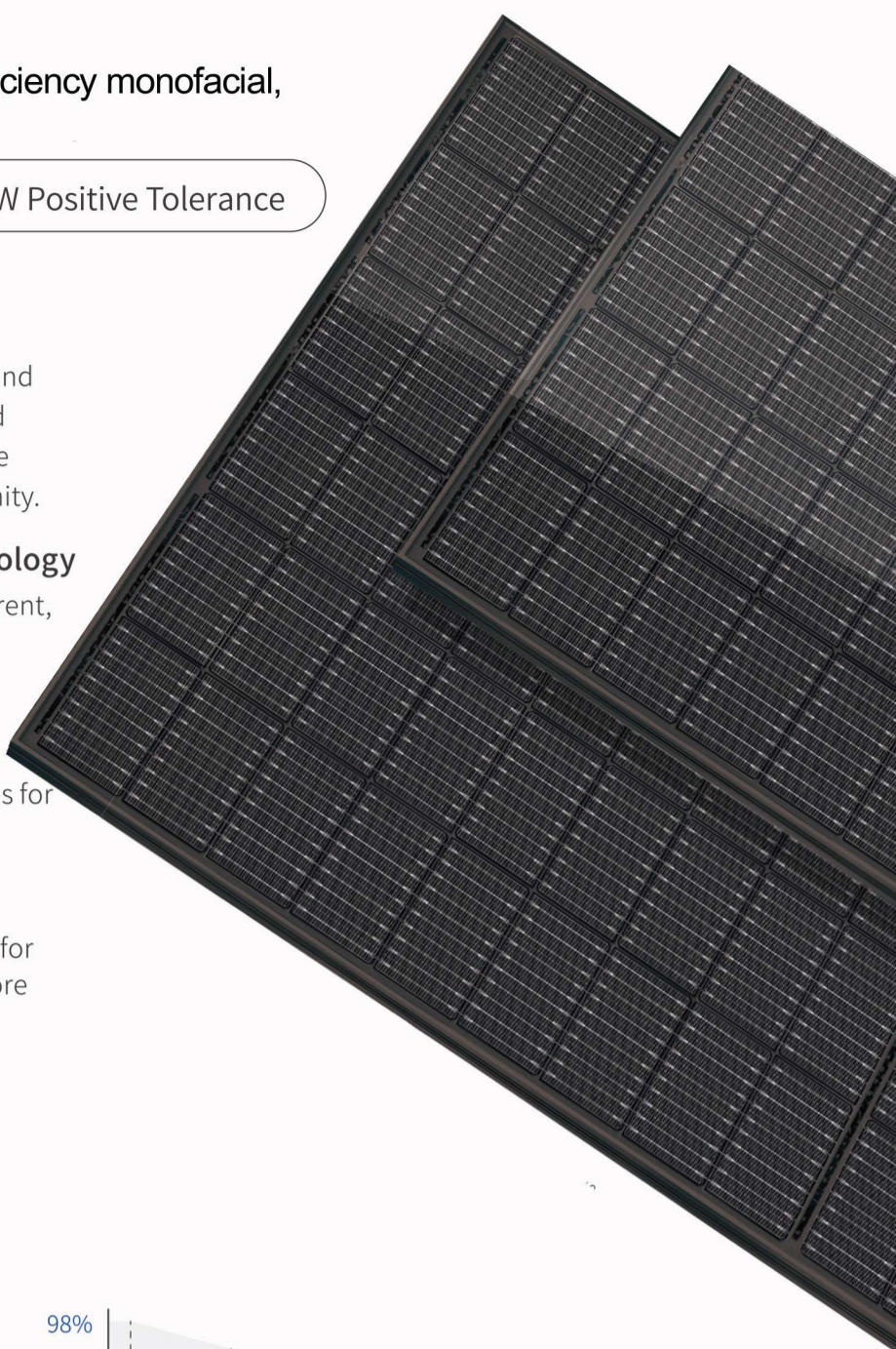




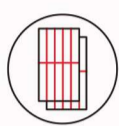
(182mm mono PERC half-cell, high-efficiency monofacial, full black module)

400-410W 0-5W Positive Tolerance



Full black Aesthetic Design

Paired with full-black module frame and backsheet, ensuring high stability and consistency of black aesthetic module in color tone, brightness, and uniformity.



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.

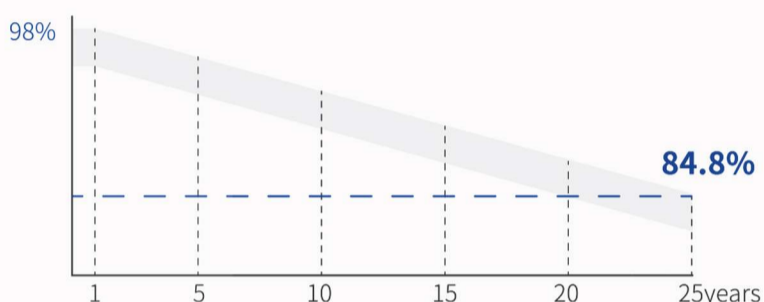


4 Times 100% EL Detection

Guarantee no micro cracks



PRODUCT QUALITY SYSTEM & CERTIFICATION



■ JU New Linear Performance Warranty □ Standard Linear Performance Warranty

12years Material & process Warranty

25years Linear Performance Warranty

0.55% Linear Power Degradation

ELECTRICAL PROPERTIES

SM-182M-54H(black) 108 PCS

STC : irradiance, 1000W/m²; cell temperature, 25°C; spectral range, AM1.5

NOCT: irradiance, 800 W/m²; ambient temperature, 20 °C; spectral range, AM1.5; wind speed, 1m/s

	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power - P _{mp} (W)	400	298	405	302	410	305
Open-circuit voltage - V _{oc} (V)	37.18	34.95	37.33	35.09	37.68	35.42
Short-circuit current - I _{sc} (A)	13.39	10.85	13.44	10.89	13.59	11.01
Maximum operating voltage - V _{mp} (V)	31.42	29.22	31.55	29.35	31.84	29.61
Maximum operating current - I _{mp} (A)	12.74	10.21	12.84	10.29	12.88	10.31
Module conversion efficiency - η _m	20.48%		20.74%		20.99%	
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)	1722 x 1134 x 30mm
Weight	21kg
Cell quantity	108PCS
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 ² , wire length 300mm
Connector	MC4 Compatible

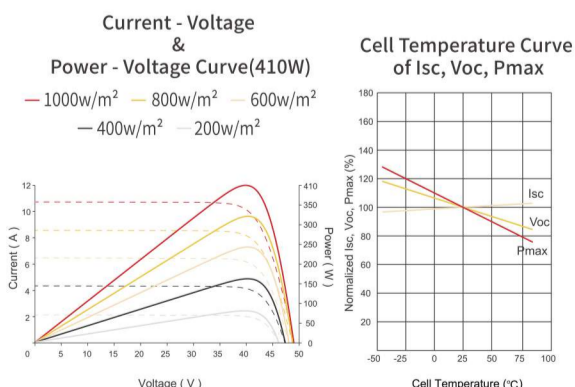
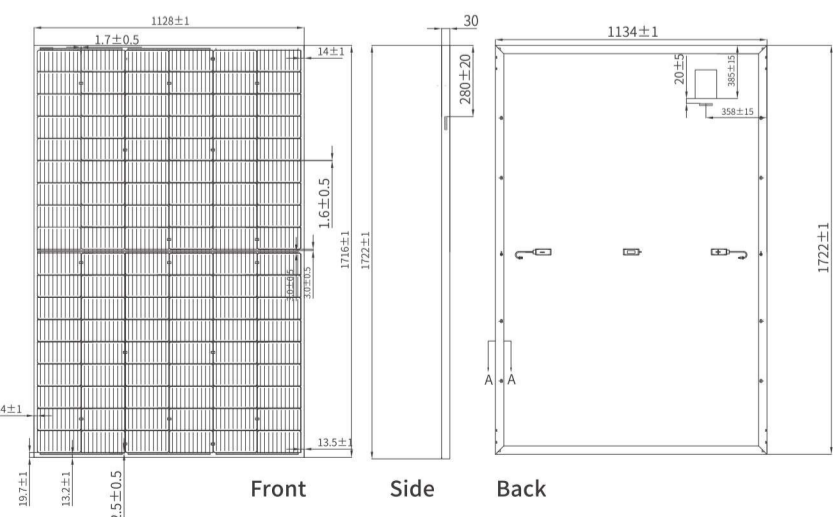
TEMPERATURE CHARACTERISTIC

Temperature coefficient (P _{max})	-0.35% / °C
Temperature coefficient (V _{oc})	-0.27% / °C
Temperature coefficient (I _{sc})	+0.05% / °C
NMOT	45±2°C

PACKAGING

Container	40HQ
PCS / Pallet	36
PCS / Container	936

PRODUCT ASSEMBLY DRAWING(mm)



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