



HC 108 module

400-410 Watt

Positive power tolerance 0~+5W
MONO PERC HALF CELL BLACK MODULE

SE-182*91-M-108

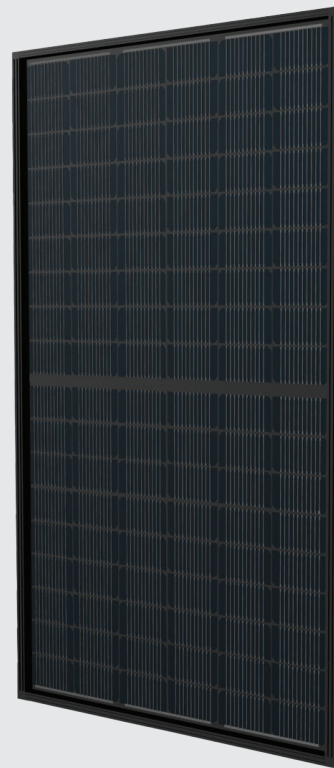


Full system and product certifications

IEC 61215, IEC 61730, UL61730

ISO 9001:2015:ISO Quality Management System

- 12 YEARS QUALITY GUARANTEE.
- 12 YEARS >91.9% DEPARTURE GUARANTEE. 25
- YEARS >84.8% DEPARTURE GUARANTEE.
- 25 YEARS LIFETIME WARRANTY.



MAIN FEATURES



Multi Busbar Solar Cell

The multi-busbar solar cell adopts new technology to improve module efficiency and offers better aesthetic appearance, making it perfect for rooftop installation.



High efficiency

The higher conversion efficiency of the module (up to 20.97%) benefits from the half-cell structure (low resistance feature).



PID resistance

Excellent Anti-PID performance ensures limited power degradation for series production.



Low light performance

Advanced glass and textured cell surface design ensure excellent performance in low-light environments.



Resistance to adverse weather conditions

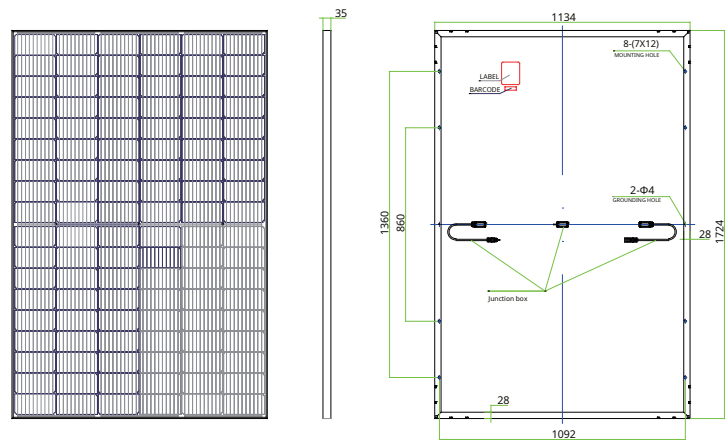
Certified to withstand: wind load (5400 Pascal) and snow load (5400 Pascal).



Durability against extreme environmental conditions

High resistance to salt spray and ammonia.

ENGINEERING PLANS



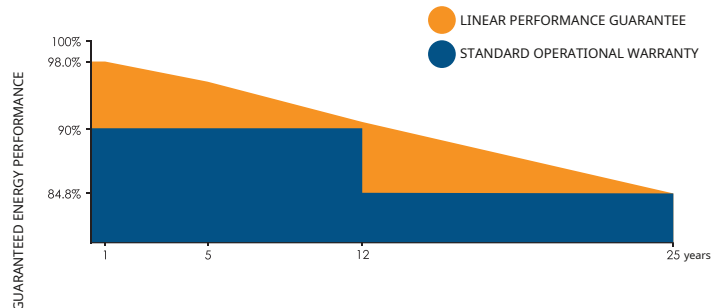
Note: All units in mm

PACKAGING CONFIGURATION

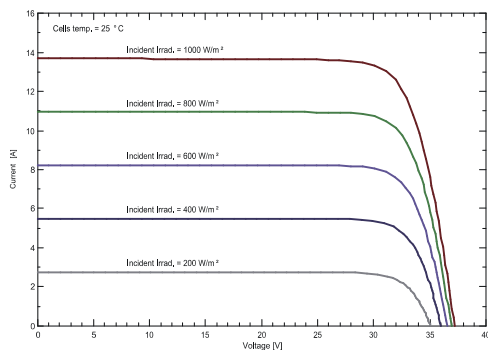
(Two pallets = One stack)

31pcs/pallet , 62pcs/stack, 899pcs/53FT truck

LINEAR PERFORMANCE GUARANTEE



CHARACTERISTIC CURVE IV



ELECTRICAL CHARACTERISTICS

	STC	NOCT	STC	NOCT	STC	NOCT
Module type	SE-182*91-400M-108		SE-182*91-405M-108		SE-182*91-410M-108	
Open circuit voltage (V)	36.65	35.01	36.85	35.16	37.05	35.29
Short circuit current (A)	13.52	11.09	13.59	11.18	13.66	11.26
Optimum circuit voltage (V)	30.77	28.90	30.99	29.04	31.20	29.20
Optimum circuit current (A)	13.00	10.39	13.07	10.47	13.14	10.55
Maximum operating power	400W	300W	405W	304W	410W	308W
Module efficiency in STC	20.46%		20.72%		20.97%	
Operating temperature	- 40°Cto +85					
Maximum system voltage	1500V DC					
Output Power Tolerance	0~+5W					

STC: Irradiation 1000W/m², module temperature 25°C, AM 1.5; NOCT: Irradiation 800W/m², ambient temperature 20°C, AM 1.5, wind speed 1m/s

STC: Irradiance 1000W/m² Cell Temperature 25°C

AM=1.5

NOCT: Irradiance 800W/m² Room Temperature 20°C

AM=1.5

Wind speed 1M/S

* Power measurement tolerance: ± 3%

MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline 182x91mm(Half cut)
Number and arrangement of cells	6x18(108pcs)
Dimensions	1724x1134x35mm
Weight	21.5Kg
Front glass	3.2mm tempered glass
Frame	Anodized aluminum alloy
Encapsulation	Crystal/EVA/Cell/EVA/TPT
Relative Humidity	0 to 100%
Maximum static load	5400Pa(front side) 2400Pa(rear side)
Connection box	IP 68, three diodes, MC4 compatible connector
Output cable	4mm², 450mm or 1200mm
Fire resistance	UL: Type 1, IEC: Class C

TEMPERATURE COEFFICIENTS

Nominal operating temperature in the cell	45°C±2°C
Maximum power temperature	-(0.35±0.05)%/°C
Open Circuit Voltage Temperature	-(0.27±0.02)%/°C
Short circuit current temperature	+(0.05±0.005)%/°C
Maximum fuse current	25A