



9BB



Fully black appearance
Excellent Aesthetic
effect on roof

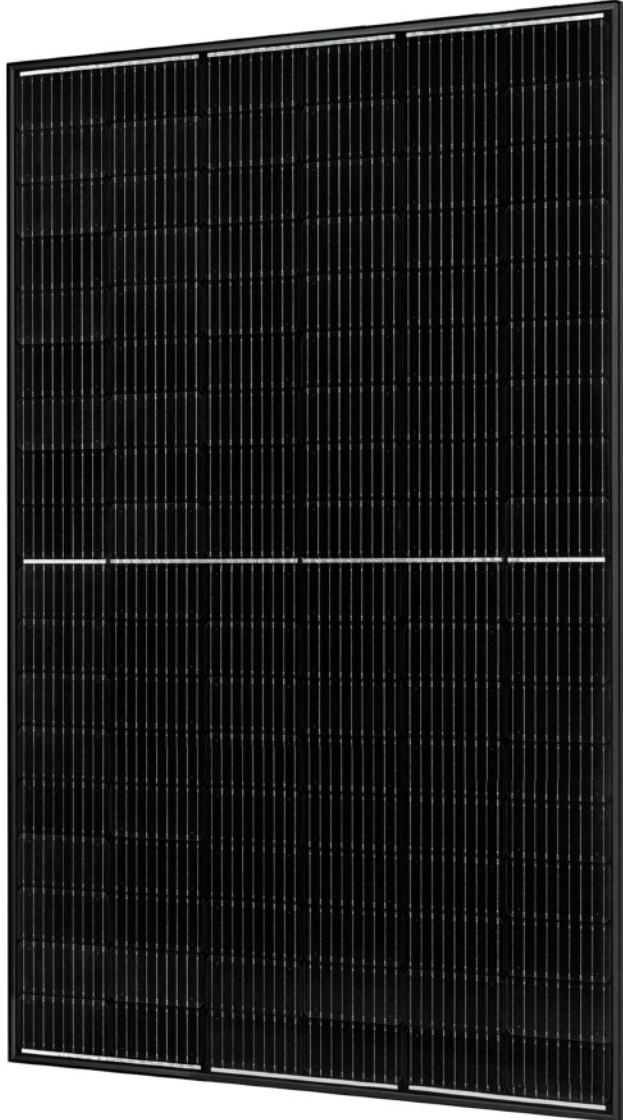


100% TEST

Double EL tests
ensures high
quality standard



Reduced hot spot risk
with optimized
electrical design and
lower operating current



PERC
Monocrystalline PERC
Half cut cells



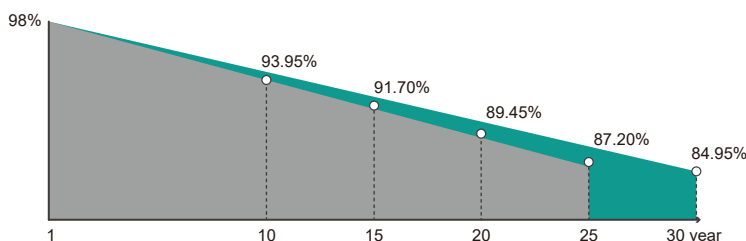
Positive Power tolerance
0~+5W extra output power



Anti-PID
Low LID Performance

390~415W

182mm 108Cells Full Black Solar Module



Quality Guarantee

12-Year
material & technology warranty
30-Year
linear power output warranty

- SUNWE solar linear power output guarantee
- Standard linear power output guarantee

SW390~415FB

182mm 108Cells All Black Solar PV Module



Electrical Characteristics (STC)

Module Type	SW390-FB	SW395-FB	SW400-FB	SW405-FB	SW410-FB	SW415-FB
	STC	STC	STC	STC	STC	STC
Maximum Power- Pmax(W)	390W	395W	400W	405W	410W	415W
Open Circuit Voltage - Voc(V)	36.85V	36.98V	37.07V	37.23V	37.32V	37.45V
Short- Circuit Current - Isc(A)	13.61A	13.70A	13.79A	13.87A	13.95A	14.02A
Voltage at Pmax -Vmp(V)	30.64V	30.84V	31.01V	31.21V	31.45V	31.61V
Current at Pmax - Imp(A)	10.76A	12.81A	12.90A	12.98A	13.04A	13.13A
Module Efficiency (%)	20.00	20.20	20.50	20.80	21.00	21.30
Power Tolerance(W)	(0, +5W)					
Maximum System Voltage(V)	1500VDC (IEC)					
Maximum Series Fuse Rating (A)	25A					

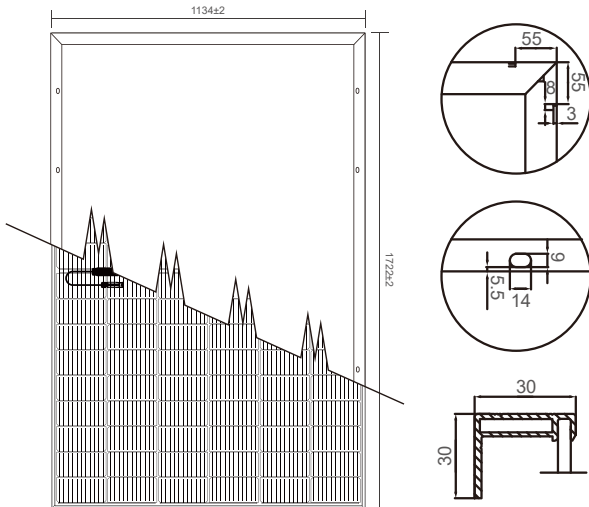
STC : Irradiance 1000W/m² , Cell Temperature 25 C , Air Mass 1.5

Mechanical Specifications

External Dimensions	1722x1134x30mm
Weight	21.5kg
Solar Cells	Mono crystalline 182mm (2x54pcs)
Front Glass	AR Coated 3.2 mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68 with 3 by pass diodes
Output Cables	4.0mm ² , 25cm (+), 30cm (-), length can be customized
Connector	MC4 Compatible
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa

Temperature Characteristics

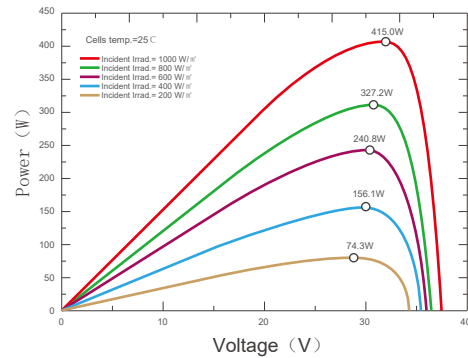
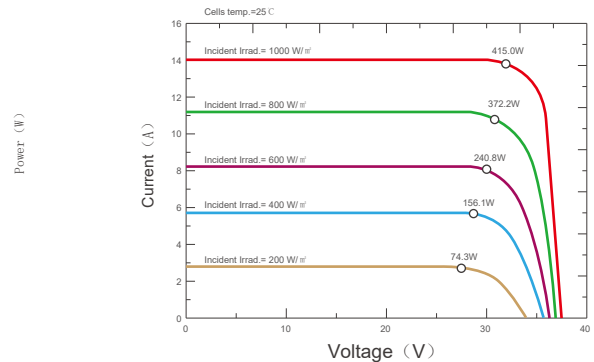
Pmax Temperature Coefficient	-0.35%/ C
Voc Temperature Coefficient	-0.27%/ C
Isc Temperature Coefficient	+0.048%/ C
Operating Temperature	-40 ~ +85 C
Nominal Operating Cell Temperature(NOCT)	45±2 C



Packing Configuration

Container	20'GP	40'HQ
Pieces per Pallet	31	31
Pallets per Container	6	26
Pieces per Container	186	806

Current-Voltage & Power-Voltage Curves (SW415-FB)



Sunwe Power Co.,Ltd.

Email: info@sunwepower.com

Add: No.88, Huishan Road, Wuxi City, Jiangsu Province, P.R. China 214000

www.sunwepower.com

