

9BB



Black Frame Design  
More 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



Monocrystalline PERC  
Half cut cells



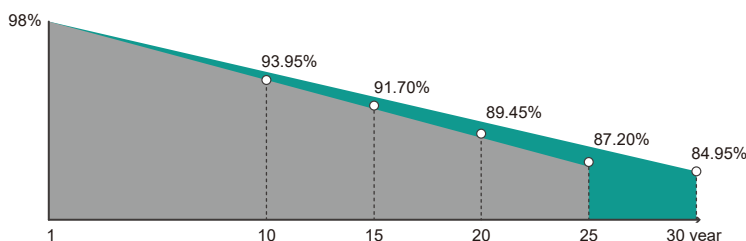
Positive Power tolerance  
0~+5W extra output power



Anti-PID  
Low LID Performance

# 535~560W

182mm 144Cells Panda Series 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

## Electrical Characteristics (STC/NOCT)

Module Type	SW535PD		SW540PD		SW545PD		SW550PD		SW555PD		SW560PD	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	535W	405W	540W	408W	545W	412W	550W	416W	555W	420W	560W	424W
Open Circuit Voltage - Voc(V)	49.45V	46.31V	49.60V	46.43V	49.75V	46.55V	49.90V	46.68V	50.05V	48.81V	50.20V	48.94V
Short- Circuit Current - Isc(A)	13.79A	11.05A	13.86A	11.09A	13.93A	11.13A	14.00A	11.17A	14.07A	11.21A	14.14A	11.25A
Voltage at Pmax -Vmp(V)	41.47V	38.78V	41.64V	38.99V	41.80V	39.20V	41.96V	39.43V	42.12V	39.66V	42.28V	39.89V
Current at Pmax - Imp(A)	12.90A	10.43A	12.97A	10.47A	13.04A	10.51A	13.11A	10.55A	13.18A	10.59A	13.25A	10.63A
Module Efficiency -ηm(%)	20.70%		20.89%		21.09%		21.28%		21.47%		21.67%	
Power Tolerance(W)	(0, +5W)											
Maximum System Voltage(V)	1500Vdc (IEC / UL)											
Maximum Series Fuse Rating (A)	25A											

STC : Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25 C, Air Mass 1.5

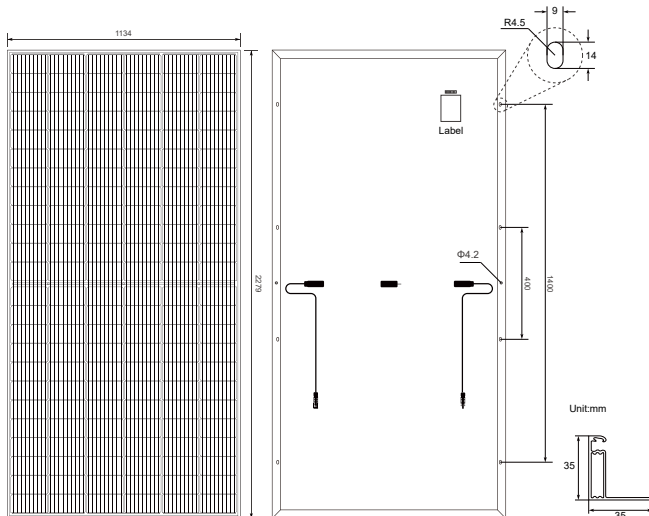
NOCT : Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20 C, Air Mass 1.5, Wind Speed 1m/s

## Mechanical Specifications

External Dimensions	2279x1134x35mm
Weight	28.6kg
Solar Cells	Mono crystalline 182mm (2x72pcs)
Front Glass	AR Coated 3.2 mm tempered glass
Frame	Black Anodized aluminum alloy
Junction Box	IP68 with 3 bypass diodes
Output Cables	4.0mm <sup>2</sup> , 30cm (+), 40cm (-), length can be customized
Connector	MC4 Compatible
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa

## Temperature Characteristics

Pmax Temperature Coefficient	-0.360%/ C
Voc Temperature Coefficient	-0.28%/ C
Isc Temperature Coefficient	+0.05%/ 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	5	20
Pieces per Container	155	620

## Current-Voltage & Power-Voltage Curves (SW560PD)

