

## N<sup>+</sup> series

Customizable colors panel-54

# 300-320W

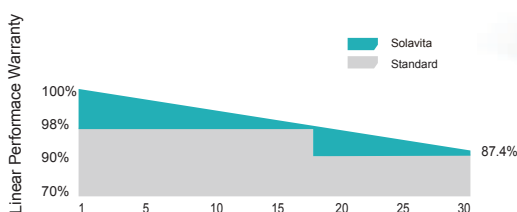
### QUALITY SYSTEM

IEC 61215(2021), IEC 61730(2021)

ISO 9001:2015: Quality management systems

ISO 14001:2015: Environmental management systems

ISO 45001:2018: Occupational health and safety management systems



**15 YEARS** 15-year product warranty

**30 YEARS** 30-year linear power output warranty

**0.4%** Year 2-30 power degradation

## KEY FEATURES



### Bifacial Energy Yield | N-type Silicon Wafer

Additional power generation from the backside of bifacial modules increases the overall energy yield



### Better low irradiance response

Superior power generation under shading conditions



### Variety of colours (customizable)

Suitable for coloured construction



### Highly Anti PID

linear power warranty with first year  $\leq 1\%$  degradation and an annual degradation rate of up to 0.4% after that.

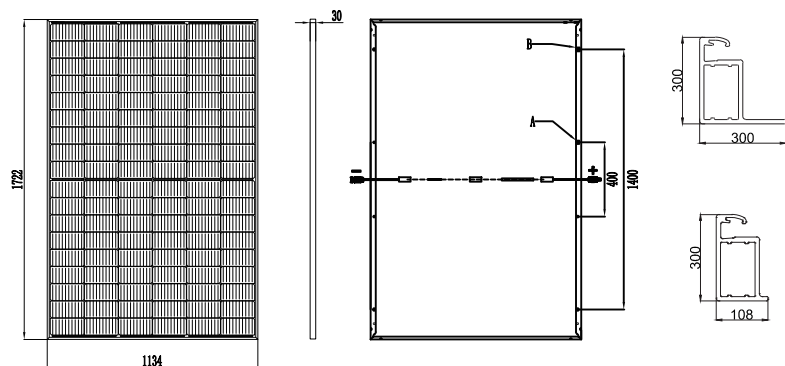


### Mechanical load enhancement

Maximum wind load (2400Pa) / Maximum snow load (5400Pa)



## Technical drawing



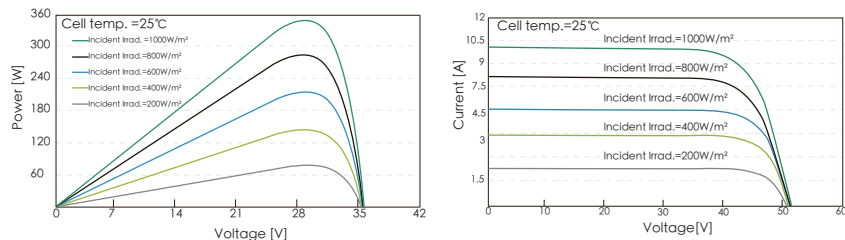
## Mechanical Specifications

Solar Cells	182×91mm
Dimension	1722 × 1134 × 30mm
Weight	21.3kg
Front Glass	2.0mm tempered Glass, high transparency
packing configuration	EVA/POE
Back Glass	2.0mm heat-tempered glass
Frame	anodized aluminium alloy
Junction Box	IP68 / 3 diodes
Output Cables	4mm <sup>2</sup> / +450mm -250mm (Customized Length)

## Electrical Characteristics

Module Type	QM182THCD300-54	QM182THCD305-54	QM182THCD310-54	QM182THCD315-54	QM182THCD320-54
	STC	STC	STC	STC	STC
Maximum Power[W]	300	305	310	315	320
Maximum Power Voltage[V]	31.01	31.12	31.22	31.34	32.46
Maximum Power Current[A]	9.67	9.81	9.93	10.05	10.17
Open circuit voltage[V]	36.92	37.05	37.17	37.31	37.45
Short Circuit Current[A]	10.18	10.41	10.46	10.58	10.71
Module Efficiency	15.4%	15.6%	15.9%	16.1%	16.4%
Operating Temperature	-40℃~+85℃				
Maximum System Voltage	DC1000V/1500V				
Maximum Series Fuse Rating	30A				
Power Tolerance[W]	0~+5W				
Voc Temperature Coefficient	-0.28%/℃				
Pmax Temperature Coefficient	-0.29%/℃				
Isc Temperature Coefficient	0.04%/℃				
Nominal Operating Cell Temperature	45±2℃				

## Characteristic



## Level

Fire Performance C

Security Protection Class II

## Packing Configuration

Pallet 36pcs/Pallet

Container 20/GP 40/HQ

Number of Container 216 936