

# N<sup>+</sup>SERIES

## SUN210RTHCDXXX-66(X=625~630)

**625~630W**    **23.14%~23.32%**    **0~+5W**    **≤1%**    **≤0.4%**  
 MAXIMUM POWER OUTPUT    MAX MODULE EFFICIENCY    POWER TOLERANCE    POWER DEGRADATION FIRST YEAR    POWER DEGRADATION YEAR 2~30

### BIFACIAL MODULE

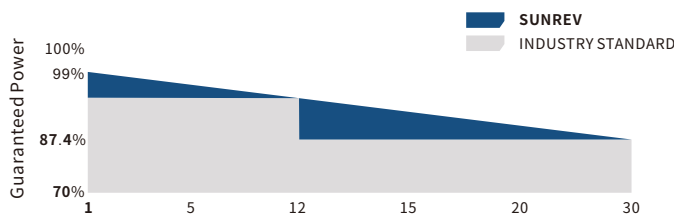
#### N-Type

IEC 61215(2021), IEC 61730(2023)

ISO 9001:2015: Quality management system

ISO 14001:2015: Environment System

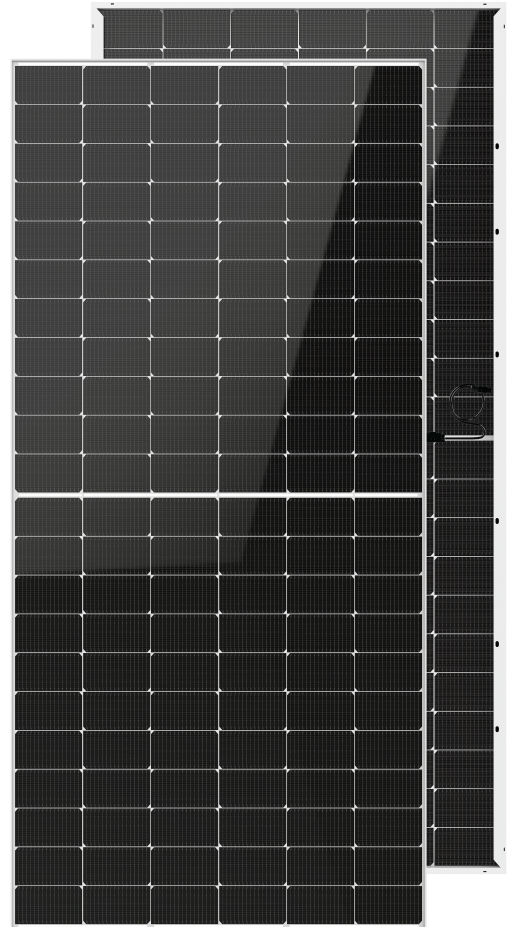
ISO 45001:2018: Occupational health management systems



**12-Year** Warranty for Materials and Processing

**30-Year** Warranty for Extra Linear Power Output

**0.40%** Annual Degradation Over 30 years



## PRODUCT FEATURES



**SMBB Technology Half Cut N-Type Cell**  
Better light trapping and current collection to improve module power output and reliability.



**Higher Power Output**  
Module power increases 5-25% generally, bringing significantly lower LCOE and higher IRR.



**PID Resistance**  
Excellent Anti-PID performance guarantee via optimized mass-production process and materials control.



#### Higher reliability

The N-type has a single-watt power generation gain of over 3% compared to PERC modules, reduces power temperature loss, and exhibits excellent high-temperature performance. Low electricity cost



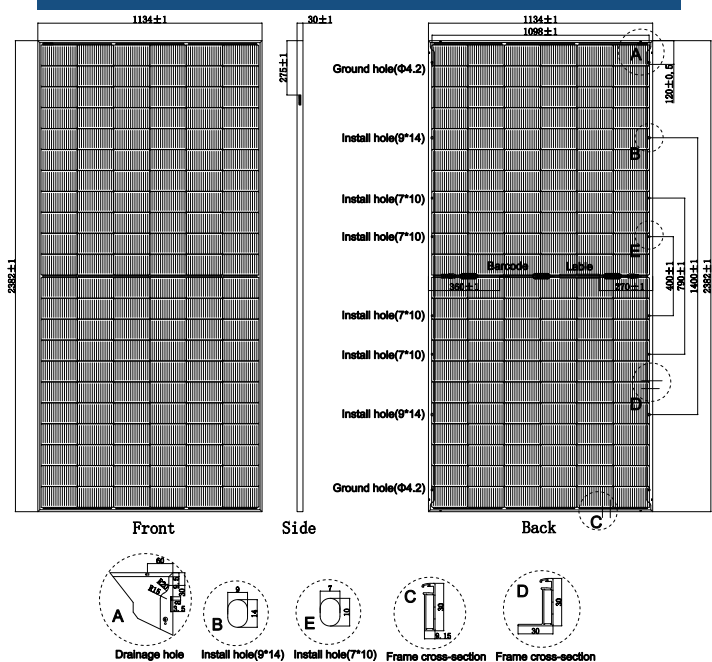
#### Enhanced Mechanical Load

Test load 5400Pa(downward) and 2400 Pa(upward).

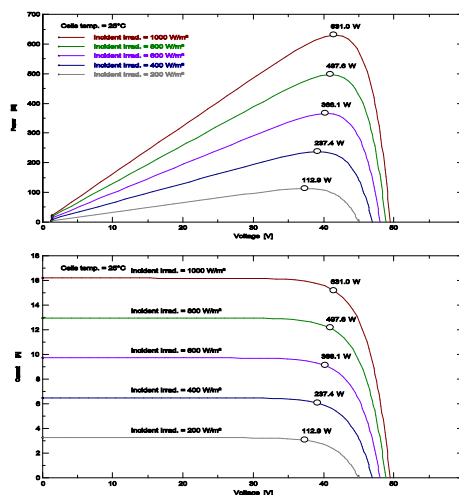


Made in China

## Drawing Information



## I-V Curve(630W)



## Connector Model

- Zerun Co., Ltd. Z4S-abc
- Zhejiang Minghe New Energy Technology Co., Ltd. PV-MH5
- Zhejiang Chint XinHui PV Co., Ltd. PV-HCC40

## Packaging Configuration

Per Pallet	36Pcs	
Container	20 GP	40 HQ
Pcs/Container	144	720

## Mechanical Parameters

Cell Type	N type Mono-crystalline
No. of cells	132(6*22)
Dimensions	2382*1134*30mm
Weight	32.4kg
Front Glass	2.0mm, Anti-Reflection Coating
Back Glass	2.0mm, Heat Strengthened Glass
Frame	Anodized Aluminum Alloy Frame
Junction Box	IP68 Rated / 3 Diodes
Output Cables	4.0mm <sup>2</sup> +300mm-300mm, or Customized length
Fire Safety Class	Class C according to UL790

## ELECTRICAL PARAMETERS

Module Type	SUN210RTHCD625-66			SUN210RTHCD630-66		
	STC	BNPI	aBSI	STC	BNPI	aBSI
Maximun Power(Pmax/W)	625	693		630	698	
Maximun Power Voltage(Vmp/V)	40.88	40.88		41.02	41.02	
Maximun Power Current(Imp/A)	15.29	16.96		15.36	17.02	
Open-circuit Voltage(Voc/V)	49.28	49.28		49.48	49.48	
Shot-circuit Current(Isc/A)	16.14	17.88	20.01	16.20	17.95	20.09
Module Efficiency(%)	23.14			23.32		
Module [T <sub>gs</sub> ] <sub>max</sub>	70°C					
Maximun system voltage	1500VDC					
Maximun series fuse rating	35A					
Tolerance of Pmax/Voc/Isc	±3%					
Temperature coefficients of Pmax	-0.290%/°C					
Temperature coefficients of Voc	-0.250%/°C					
Temperature coefficients of Isc	0.040%/°C					
Bifaciality Coefficient	φVoc=100±5% φIsc=80±5% φPmax=80±5%					

- \*STC:** ☀ Irradiance 1000W/m<sup>2</sup> 🌡 Cell temperatura 25°C ☁ AM=1.5
- \*BNPI:** ☀ Irradiance front 1000W/m<sup>2</sup> rear 135W/m<sup>2</sup> 🌡 Cell temperatura 25°C ☁ AM=1.5
- \*aBSI:** ☀ Irradiance front 1000W/m<sup>2</sup>, rear 300W/m<sup>2</sup> 🌡 Cell temperatura 25°C ☁ AM=1.5

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