

Tier1

BloombergNEF



ISO 9001 ISO 14001 SA 8000
ISO 45001 OHSAS 18001

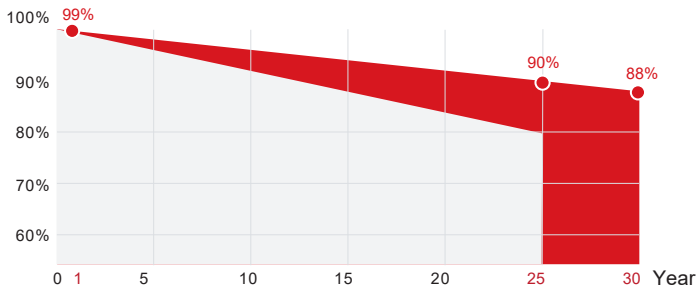
210R HI-EFF TWIN MONO (HJT)

SP-210R-132DSxxx
605~635W

- Double glass
- Silver frame
- White mesh

15 Yr quality guarantee | 30 Yr power warranty

■ SUNPRO HJT module (Additional value from 30-year warranty)
 ■ Common module



*SUNPRO Standard tiered warranty



WARRANTY & GUARANTEE

Linear output power guarantee
25 years: 90% power output
30 years: 88% power output



WITHSTAND STRONG

Snow load 5400Pa
Wind load 2400Pa



ADVANCED BIFACIAL EFFICIENCY

Bifaciality>90%, effectively improves backside power generation. A bifacial cell design that generates energy from both sides, capturing and converting more sunlight into power.



R&D AND PRODUCTION

Advanced production line. The leading solar cell cutting process and multi busbar design with SUNPRO Technology.



HIGH ENERGY YIELD

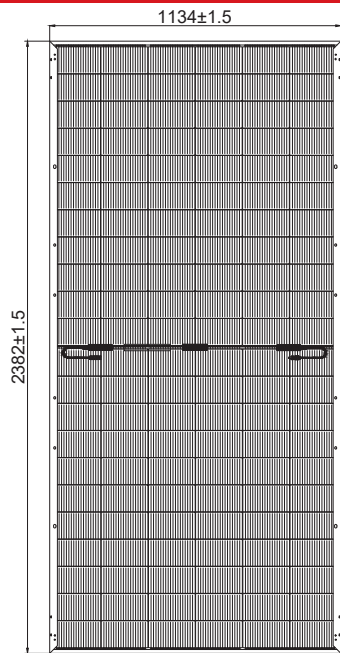
Efficiency can reach 23.51%. Excellent weak light performance and better performance in hot climate. Leading temperature coefficient for more production when the sun shines strongest, Or under the cloudy, haze condition

Electrical parameters at standard test conditions (STC:AM=1.5, 1000W/m², Cells Temperature 25°C)

Typical type

	605W	610W	615W	620W	625W	630W	635W
Max power(Pmax)	605	610	615	620	625	630	635
Max power voltage(Vmp)	41.82	42.00	42.15	42.30	42.46	42.62	42.77
Max power current(Imp)	14.47	14.53	14.6	14.66	14.72	14.79	14.85
Open circuit voltage(Voc)	50.57	50.63	50.8	50.98	51.16	51.35	51.53
Short circuit current(Isc)	15.27	15.32	15.37	15.42	15.47	15.52	15.57
Module Efficiency(%)	22.40	22.58	22.77	22.95	23.14	23.32	23.51
Max system voltage	DC 1500V(TÜV)						
Maximum Series Fuse Rating	30A						

DIMENSIONS AND STRUCTURE



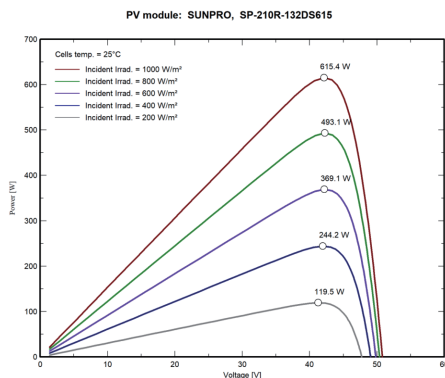
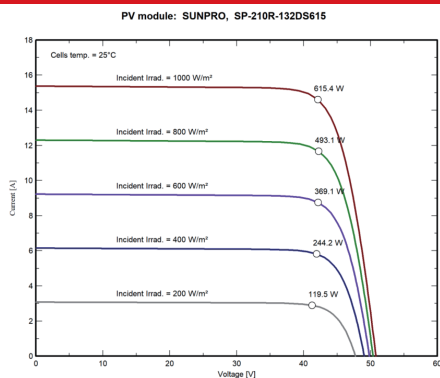
Electrical Characteristics with 15% Rear Side Power Gain

Front power Pmax/W	605W	610W	615W	620W	625W	630W	635W
Total power Pmax/W	695.75	701.5	707.25	713	718.75	724.5	730.25
Vmp/V(Total)	41.82	42.00	42.15	42.30	42.46	42.62	42.77
Imp/A(Total)	16.64	16.70	16.78	16.86	16.93	17.00	17.07
Voc/V(Total)	50.57	50.63	50.8	50.98	51.16	51.35	51.53
Isc/A(Total)	17.56	17.59	17.61	17.67	17.79	17.84	17.90

Mechanical Data

Dimensions	2382x1134x33mm
Weight	33.6 kg
Glass	(F)2.0mm ultra clear embossed semi-tempered coated glass (B)2.0mm semi-tempered glass
Output cables	4mm ² , 1300mm in length, length can be customized / UV Resistant
Connectors	MC4 compatible IP68
Cell type	Mono-Crystalline ,Bifacial HJT, 182x105mm
Number of cells	132 cells (Half-Cell)

I-V CHARACTERISTICS AT DIFFERENT IRRADIATION



Temperature Characteristics

Temp.Coeff.of Isc(TK Isc)	0.04%/°C
Temp.Coeff.of Voc(TK Voc)	-0.22%/°C
Temp.Coeff.of Pmax(TK Pmax)	-0.24%/°C
Operating temperature	-40~+85°C
Normal operating cell temperature	44±2°C

Packing Configuration

Container	40'HQ
Pieces per pallet	36
Pallets per container	20
Pieces per container	720

Tests, Certifications and Warranties

Standard tests	IEC 61215, IEC 61730, IEC 61701, IEC 62716, PPP 58042
System certs	ISO 9001, ISO14001, ISO45001
Certifications	TÜV, WEEE
Extreme wind and snow loads testing	Withstand extreme wind(2400 Pascal) and snow loads(5400 Pascal)
Power tolerance	0~+5W
Junction box	IP 68
Warranties	15 years product warranty and 30 years 88% of power