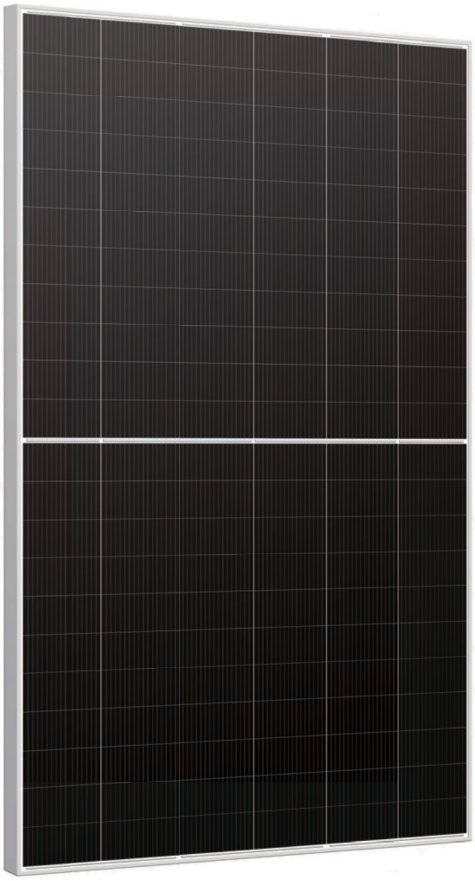
澳润能源
AORUN

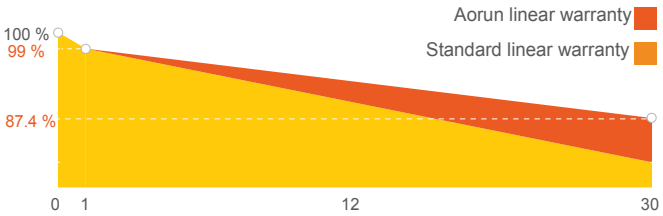


AR132-210R GG

615-635 Watt

BIFACIAL MODULE

Industry-leading Warranty based on nominal power



* 0.4% Annual Degradation over 30 Years
* 12 Year Product Warranty
* 30 Year Linear Power Warranty

Features

SMBB Technology

Better light trapping and current collection to improve module power output and reliability.

Hot 2.0 Technology

The N-type module with Hot 2.0 technology has betterreliability and lower LID/LETID.

Excellent weak light performance

More power output in weak light condition, such as cloudy, morning and sunset

Extended wind and snow load tests

Module certified to withstand extreme wind (2400 Pascal) and snow loads (5400 Pascal) *

PID Resistance

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

Lower LCOE

Higher bifaciality, higher power output and lower BOS cost

Add: Rm 1403,Unit B,Wandu BLDG,
Tianning District,Changzhou,China 213004

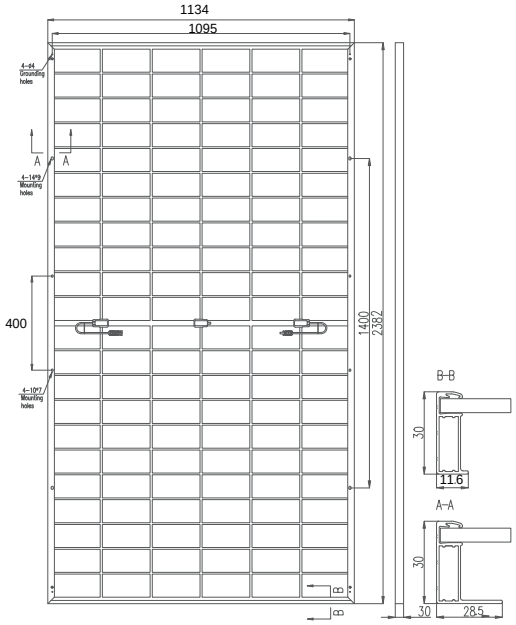
info@aorunsolar.com

AR132-210RGG

BIFACIAL MODULE

MECHANICAL SPECIFICATIONS

Cell Type	TOPCon Monocrystalline
Cell Dimensions	182.2*210mm Topcon
Cell Arrangement	132 (6*22)
Weight	34.0KG
Module Dimensions	2382*1134*30mm
Cables	TUV 4.0mm2(+): 300mm , (-): 200mm or Customized Length
Front Glass	2.0mm, Anti-Reflection Coating
Back Glass	2.0mm, Heat Strengthened Glass
Packing Configuration	36pcs/pallet, 720pcs/40HQ
Frame	Anodized Aluminium Alloy
Junction Box	IP68



ELECTRICAL SPECIFICATIONS

Module Type	AR132-615-210R		AR132-620-210R		AR132-625-210R		AR132-630-210R		AR132-635-210R	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Rated output (Pmp/Wp)	615	469	620	473	625	477	630	481	635	487
Max. Power Voltage(Vmpp/V)	39.97	37.8	40.24	37.9	40.46	38.10	40.68	38.3	40.84	38.6
Max. Power Current(Impp/A)	15.39	12.43	15.41	12.47	15.45	12.52	15.49	12.57	15.55	12.60
Open Circuit Voltage(Voc/V)	48.29	45.9	48.50	46.10	48.70	46.30	48.90	46.5	49.10	46.60
Short Circuit Current(Isc/A)	16.20	13.05	16.26	13.10	16.32	13.15	16.38	13.20	16.44	13.25
Module efficiency(%)	22.8%		23.0%		23.1%		23.3%		23.5%	
Power Tolerance (W)	0~+5		0~+5		0~+5		0~+5		0~+5	

STC: Irradiance 1000W/m2, Cell Temperature 25°C, Air Mass AM1.5 NOCT: Irradiance at 800W/m2, Ambient Temperatue 20°C, Air Mass AM1.5, Wind Speed 1m/s

Electrical Characteristics with Different Rearside Power Gain (Reference to Gain 5% Front)

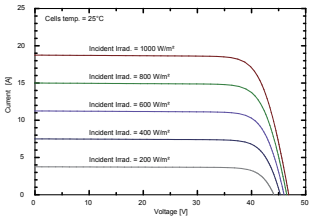
Pmax/W	646	651	656	662	667
Vmpp/V	39.97	40.24	40.46	40.68	40.84
Impp/A	16.16	16.18	16.22	16.26	17.26
Voc/V	48.29	48.50	48.70	48.90	49.10
Isc/A	17.01	17.07	17.14	17.20	16.33
Pmax gain	5%	5%	5%	5%	5%

MAXIMUM RATINGS

Maximum System Voltage	1500V DC（IEC）
Operating Temperature	-40°C ~ +70°C
Maximun Series Fuse	35A
Static Loading	Snow Loading: 5400Pa/ Wind Loading: 2400Pa
Conductivity at Ground	≤0.1Ω
Safety Class	II
Resistance	≥100MΩ

CURVE & TEMPERATURE DEPENDENC

AR132-620W-210RGG



TEMPERATURE CHARACTERISTICS

NOCT Temperature	45℃±2℃
Temprature Coefficient (Pmax)	-0.31%/℃
Temprature Coefficient (Voc)	-0.26%/℃
Temprature Coefficient (Isc)	0.046%/℃