Rene 5 N

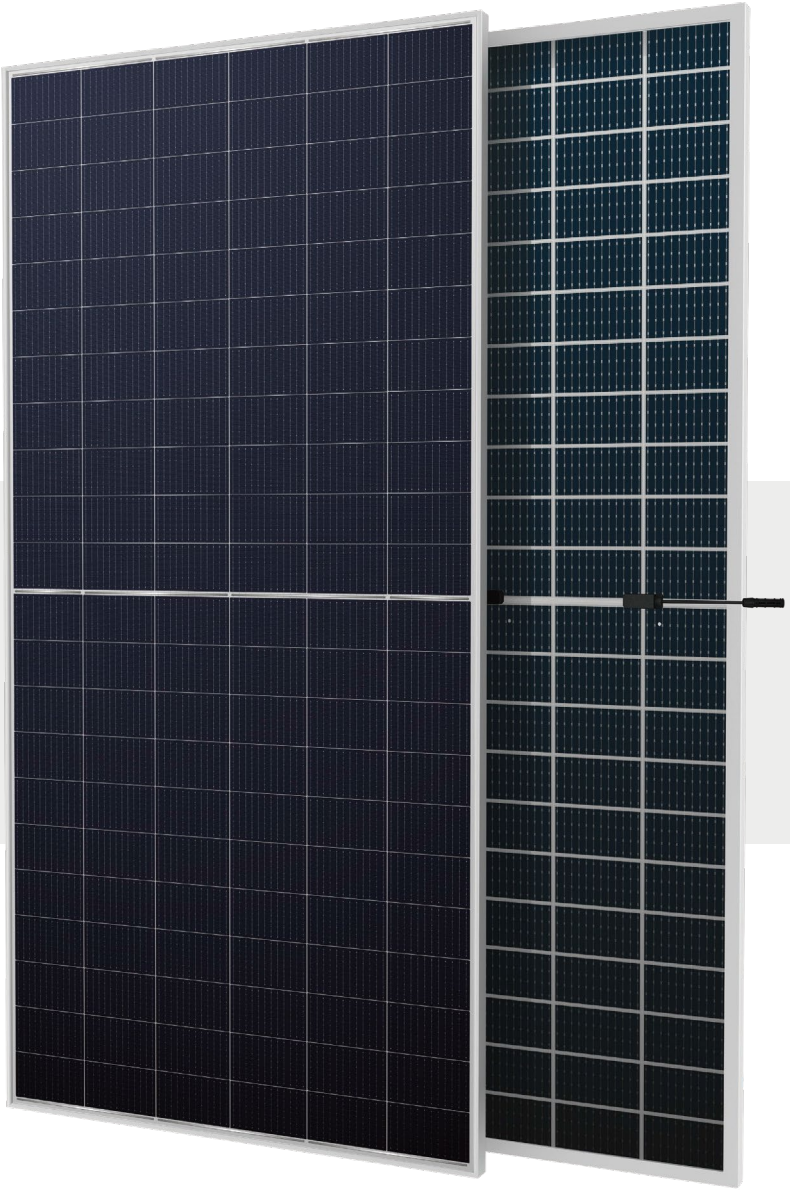
ReneSola

BIFACIAL MODULE WITH DUAL GLASS

RS5J-610~630NBG-E1

N-Type /Positive power tolerance of 0~+3%/Max module efficiency 23.30%

- Suitable for Ground Power Plants and Distributed Projects
- Advanced Module Technology Delivers Superior Module Efficiency
  · Non destructive cutting · MBB half-cut
- Excellent Power Generation Performance
  · Excellent IAM and low irradiation performance · Lower temperature coefficient
  · 0.40% linear Power decline
- High module Quality Ensures Long-term Reliability
  · Strict selected material · Advanced technology · Leading standard
- Ultra-Hydrophilic Self-Cleaning Coating Techniques

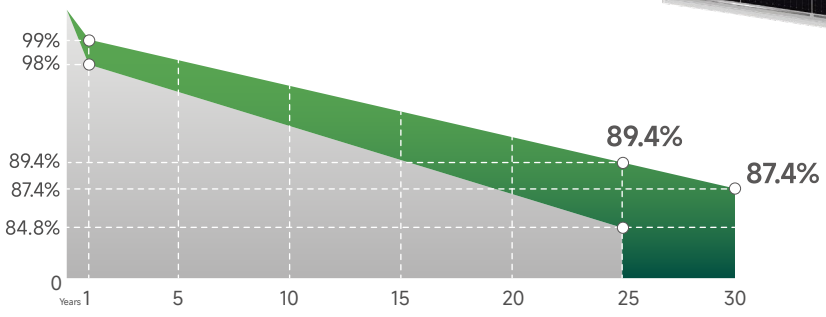


Complete System and IEC Product Certification

IEC 61215(2016), IEC 61730(2016) ISO9001: 2015: Quality Management System ISO14001: 2015: Environment Management System ISO45001: 2018: Occupational Health and Safety Management System

15 -Year
Material & Workmanship

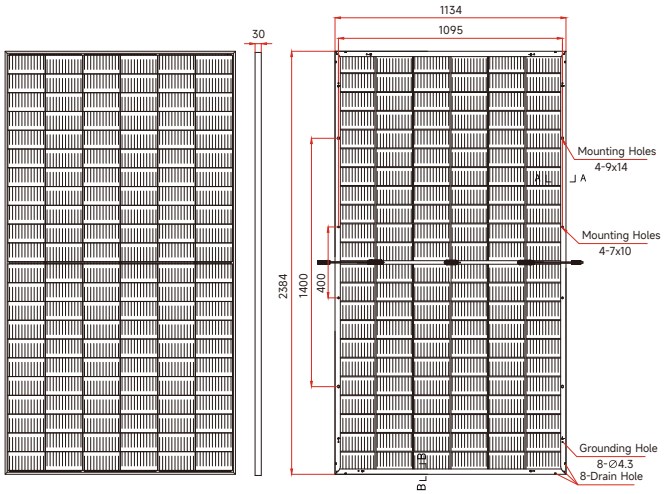
30 -Year
Linear Power Output



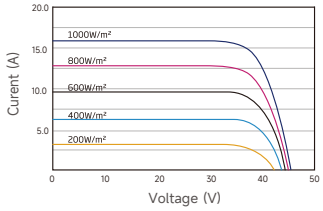
30-Year Excess Linear Power Output Warranty

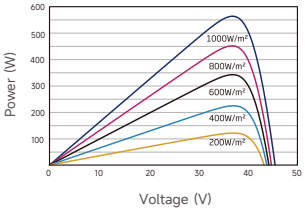
RS5J-610~630NBG-E1

BIFACIAL MODULE WITH DUAL GLASS



Drawing Only for Reference





Electrical Characteristics STC	RS5J-610NBG-E1	RS5J-615NBG-E1	RS5J-620NBG-E1	RS5J-625NBG-E1	RS5J-630NBG-E1
Maximum Power (Pmax)	610W	615W	620W	625W	630W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	22.56%	22.75%	22.93%	23.12%	23.30%
Maximum Power Current (Imp)	15.08A	15.15A	15.22A	15.29A	15.36A
Maximum Power Voltage (Vmp)	40.46V	40.60V	40.74V	40.88V	41.02V
Short Circuit Current (Isc)	15.96A	16.02A	16.08A	16.14A	16.20A
Open Circuit Voltage (Voc)	48.68V	48.88V	49.08V	49.28V	49.48V

Values at Standard Test Conditions STC (AM1.5, Irradiance 1000W/m, Cell Temperature 25°C)

Electrical Characteristics NOCT	RS5J-610NBG-E1	RS5J-615NBG-E1	RS5J-620NBG-E1	RS5J-625NBG-E1	RS5J-630NBG-E1
Maximum Power (Pmax)	461W	464W	468W	473W	479W
Maximum Power Current (Imp)	12.15A	12.19A	12.24A	12.30A	12.37A
Maximum Power Voltage (Vmp)	37.92V	38.10V	38.25V	38.46V	38.72V
Short Circuit Current (Isc)	12.88A	12.93A	12.98A	13.06A	13.17A
Open Circuit Voltage (Voc)	46.24V	46.43V	46.62V	46.81V	47.00V

NOCT, Irradiance of 800W/m, AM1.5, Ambient Temperature 20°C, wind Speed 1m/s.

Electrical Characteristics With 21% Rear Side Power Gain	RS5J-610NBG-E1	RS5J-615NBG-E1	RS5J-620NBG-E1	RS5J-625NBG-E1	RS5J-630NBG-E1
Maximum Power (Pmax)	738.10W	744.15W	750.20W	756.25W	762.30W
Maximum Power Current (Imp)	18.24A	18.33A	18.41A	18.50A	18.58A
Maximum Power Voltage (Vmp)	40.46V	40.60V	40.74V	40.88V	41.02V
Short Circuit Current (Isc)	19.31A	19.38A	19.46A	19.53A	19.60A
Open Circuit Voltage (Voc)	48.68V	48.88V	49.08V	49.28V	49.48V

Mechanical Characteristics	
Cell Type	Mono N-Type, 132(6x22)Half-Cut Cells
Glass	2mm+2mm, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Juction Box	IP68 Rated, With Bypass Diodes
Dimension	2384x1134x30mm
Output Cable	4mm2(EU), 1200mm (Customized)
Weight	33.7kg
Connector	MC4 Compatible

Characteristics	
Temperature Coefficient of (Voc)	-0.24%/°C
Temperature Coefficient of (Isc)	+0.04%/°C
Temperature Coefficient of (Pmax)	-0.30%/°C
Nominal Operating Cell Temperature (NOCT)	43%±2/°C

Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

Packing Information	
Container	40' HQ
Pallets Per Container	20
Pieces Per Container	720

Maximum Ratings	
Operating Temperature	-40°C ~ +85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	35A

Note: Please read the safety and installation instructions before using this product

Web: www.renesola-energy.com
Version Number: RS5J-001-A