

Creator 1.0

620-640W

132-HJT BIFACIAL MODULE WITH DUAL GLASS

210R



15 Years Product Warranty



30 Years Linear Power Warranty



SMBB Half-Cut Technology

Shorter current transmission distance, less resistive loss, and higher cell efficiency.



High Reliability

Industry-leading product and performance warranty, ensuring modules' consistent outstanding performance.



PID Resistance

Double-sided TCO layer with natural anti-PID properties.



>90% Bifaciality

By virtue of the cell's natural bifacial structure, bifacial solar modules can generate power from both sides, which brings more energy yield.



Low Temperature Coefficients

Excellent temperature coefficients, and more stable power generation performance.



LID Resistance

N-type modules have higher reliability and lower LID/LETID.



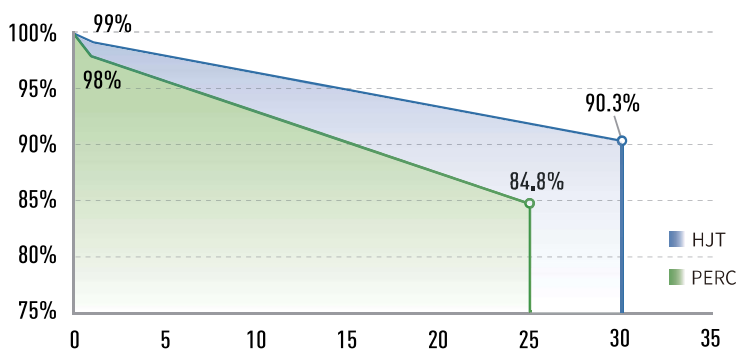
IEC61215:2021 / IEC61730:2023

IEC60068 / IEC61701 / IEC62716 / IEC62804

ISO9001:2015: ISO Quality Management System

ISO14001:2015: ISO Environment Management System

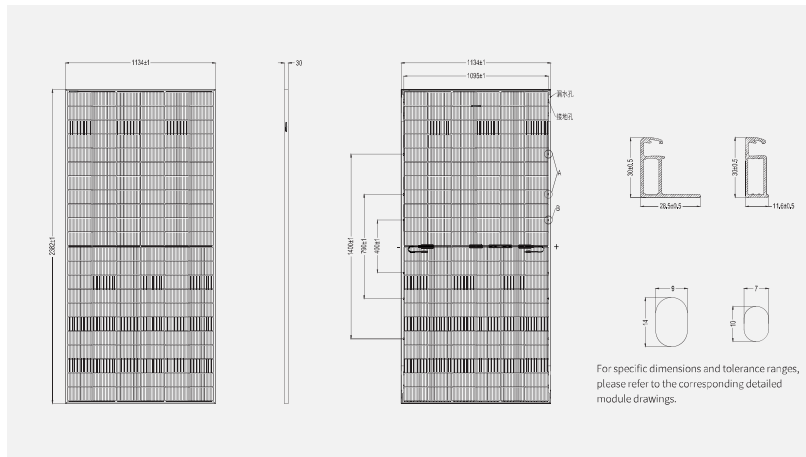
ISO45001:2018: Occupational health and safety management systems



Less than **1%** degradation in the 1st year

30 years power warranty

0.3% liner degradation


Mechanical Characteristics

Cell Type	HJT Mono-crystalline
No. of Cells	132 (6×22)
Dimensions	2382×1134×30mm
Weight	31.8kg
Front Glass	2.0mm Anti-reflection Coating
Back Glass	2.0mm Heat Strengthened Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated
Output Cables	4mm ² 300mm in Length, or Customized Length
Connectors Type	MC4 Compatible
Front Load	5400 Pa
Back Load	2400 Pa

Electrical Characteristics (STC)

Module Types	SEC2-132D-620YS	SEC2-132D-625YS	SEC2-132D-630YS	SEC2-132D-635YS	SEC2-132D-640YS
Max Power(Pmax)[W]/±3%	620	625	630	635	640
Open Circuit Voltage(Voc)[V]/±3%	49.76	49.86	49.96	50.06	50.16
Short Circuit Current(Isc)[A]/±4%	15.19	15.26	15.33	15.40	15.47
Max.Power Voltage(Vmp)[V]	43.17	43.27	43.37	43.47	43.57
Max.Power Current(Imp)[A]	14.44	14.51	14.58	14.65	14.72
Module Efficiency(%)	22.95	23.14	23.32	23.51	23.69
Power Tolerance	0 ~ +5W				
Bifaciality Coefficients	φPmax=90%±5% φVoc=99%±5% φIsc=90%±5%				

STC (Standard Test Conditions) : Irradiance 1000W/m², Cell temperature 25°C, AM 1.5, Tolerance of Pmax is within +/-3%

Electrical Characteristics (BNPI)

Max Power(Pmax)[W]/±3%	695	700	705	710	715
Open Circuit Voltage(Voc)[V]/±3%	49.76	49.86	49.96	50.06	50.16
Short Circuit Current(Isc)[A]/±4%	17.03	17.11	17.19	17.27	17.34
Max.Power Voltage(Vmp)[V]	43.17	43.27	43.37	43.47	43.57
Max.Power Current(Imp)[A]	16.19	16.27	16.35	16.43	16.51

BNPI (Bifacial Nameplate Irradiance): Irradiance: front1000W/m², rear 135W/m², Cell Temperature 25°C, AM=1.5, Tolerance of Pmax is within +/-3%

Packaging Configuration

	Flat car	Flat car	Container
Size	13m	17.5m	40HC
Pallets Per	20	24	20
Modules Per Pallet (pcs)	36	36	36
Total Modules (pcs)	720	864	720

Temperature Coefficients

Nominal Operating Cell Temp. (NOCT)	44±2°C
Temperature Coefficient of max δ(%/°C)	-0.24
Temperature Coefficient of Voc β(%/°C)	-0.22
Temperature Coefficient of Isc α(%/°C)	0.04

Application Conditions

Operating Temperature	-40°C~85°C
Maximum System Voltage	1500V
Maximum Series Fuse Rating	30A

Safety & Warranty

Safety Class	Class II
Product Warranty	15 yrs Workmanship
Power Warranty	30 yrs Linear Warranty

