



Anji Technologies Worldwide Energy Group (UK)

ANJ110

HJT Bifacial Module

-  Based on 210mm wafer, N-Type bifacial HJT half cut cells
-  Module power up to 585W, Module efficiency up to 22.40%
-  Use super MBB half-cut cell technology to minimize micro-crack impacts and no-cutting loss on modules
-  The front generation power is 30% higher than the conventional module and the back power is 25% higher
-  No BO-LID, excellent anti-LeTID & anti-PID performance. Low power degradation, high energy yield
-  Better shading tolerance
-  Heavy snow load up to 5400 Pa, wind load up to 2400 Pa

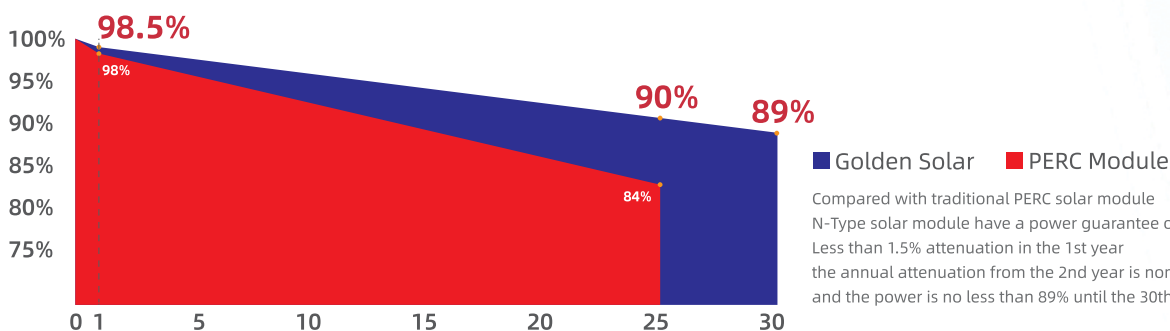
555W~585W



Size > 2 sqm Heterojunction Technology

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

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



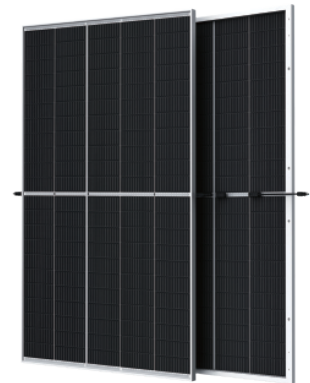
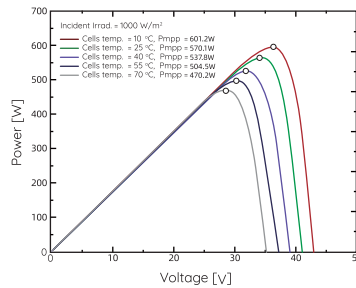
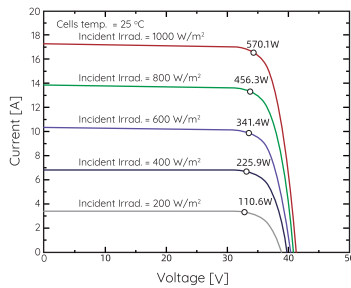
STC/NMOT STC (Standard Test Conditions): Irradiance 1000 W/m², Cell temperature :25 °C, AM1.5.
NMOT (Nominal Module Operating Temperature): Irradiance 800 W/m², AM1.5, temperature 20 °C, wind speed 1 m/s.

Model	ANJ110-555		ANJ110-560		ANJ110-565		ANJ110-570		ANJ110-575		ANJ110-580		ANJ110-585	
Power Tolerance (0~+5W)	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Pmax (W)	555	429	560	433	565	437	570	441	575	445	580	449	585	453
Vmp (V)	33.98	32.33	34.17	32.54	34.35	32.71	34.53	32.89	34.71	33.09	34.88	33.26	35.05	33.45
Imp (A)	16.33	13.27	16.39	13.31	16.45	13.36	16.51	13.41	16.57	13.45	16.63	13.50	16.69	13.54
Voc (V)	40.49	38.99	40.77	39.28	40.96	39.46	41.16	39.65	41.35	39.83	41.54	40.00	41.75	40.21
Isc (A)	17.16	13.90	17.19	13.95	17.25	14.00	17.31	14.05	17.37	14.10	17.43	14.15	17.49	14.20
Panel Efficiency (%)	21.20		21.40		21.60		21.80		22.00		22.20		22.40	

BSTC BSTC (Bifacial Standard Test Conditions): Front side irradiance 1000W/m², back side reflection irradiance 135W/m², AM=1.5, ambient temperature 25°C.

Model	ANJ110-555		ANJ110-560		ANJ110-565		ANJ110-570		ANJ110-575		ANJ110-580		ANJ110-585	
Power Tolerance (0~+5W)	BSTC		BSTC		BSTC		BSTC		BSTC		BSTC		BSTC	
Pmax (W)	612		618		623		629		634		640		645	
Vmp (V)	33.98		34.17		34.35		34.53		34.71		34.88		35.05	
Imp (A)	18.01		18.08		18.14		18.21		18.28		18.34		18.41	
Voc (V)	40.49		40.77		40.96		41.16		41.35		41.54		41.75	
Isc (A)	18.93		18.96		19.03		19.09		19.16		19.23		19.29	

Electrical Curves:



Mechanical Specification

Solar Cell Type	110 half-cut, N-Type, HJT cells
Module Dimensions (mm)	2384x1096x35
Module Weight (kg)	32.3
Front Cover	Solar glass, 2.0 mm, with anti-reflective surface
Back Cover	Solar glass, 2.0 mm
Frame	Anodized aluminum (black)
Junction Box	3 bypass diodes, IP68 rated, in accordance with IEC 62790
Cables	PV cable 4 mm ² , 0.3m length, in accordance with EN 50618 (or customized length)
Connectors	MC4-Evo2, in accordance with IEC 62852, IP68 rated only when connected
Packing	31pcs/pallet, 620pcs/40'HQ container

Properties of System Design

Maximum System Voltage (V)	1500
Maximum Series Fuse Rating (A)	35
Max. Test Load +/- (incl. Safety Factor of 1.5) (Pa)	5400/2400
Fire Class according to EN 13501-1	CLASS C (EN13501-1)
Operating Temperature (°C)	-40 to +85

Warranty

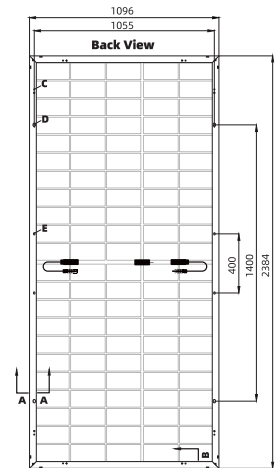
Product Warranty (Y)	15
Power Warranty (Y)	30
Power after 1 Year	≥98.5% of nominal power
Annual Degradation (%/Y)	0.4
Power after 30 years	≥89% of nominal power

Temperature Coefficients

Temperature Coefficient of Isc	+0.026%/ °C
Temperature Coefficient of Voc	-0.223%/ °C
Temperature Coefficient of Pmax	-0.243%/ °C
Nominal Module Operating Temperature (NMOT)	43±3/ °C



*The specifications and key features contained in this datasheet may deviate slightly from our actual products due to the ongoing innovation and product enhancement. Golden Solar reserves the right to make necessary adjustment to the information described herein at anytime without further notice.



Unit:mm
Tolerance:Length: ±2mm Width: ±2mm

