

BIFACIAL HJT MONO CRYSTALLINE HALF-CUT MODULE - DOUBLE GLASS

725 / 730 / 735 / 740 / 745 / 750 Watts

Heterojunction Series

Overview

Heterojunction (HJT) photovoltaic module is a Ground breaking Technology. HJT technology guarantees high performance and low degradation of the PV module, substantially improving the results and the yield in the time. "Heterojunction" Series module is the ideal solution for end users who want a Quality PV & reliable product over time and a fast turnaround on their investments.



Guaranteed mechanical resistance to severe weather conditions



Positive Tolerance



100 % electroluminescence tested

Key benefits



Zero Light Induced Degradation



0% Front Grid Shading Loss



Low LCOE



25 Years Limited Product Warranty



Low Pmax Temperature Coefficient



Higher Light Conversion

Tests, Certifications and Guarantees

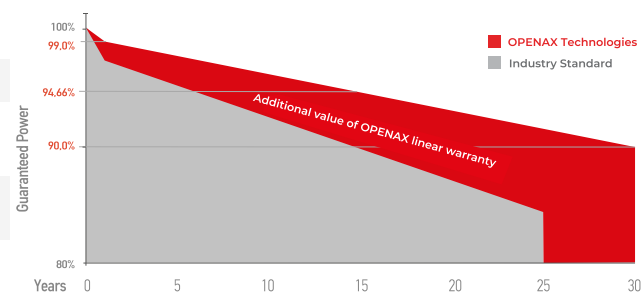
Standard tests	IEC 61215, IEC 61730
Factory quality testing	ISO 9001: 2015. ISO 14001: 2015
Certifications	Conformity to CE. PV CYCLE Fire safety Class C according to UL790
Wind and Snow Loads Testing	Module certified to withstand extreme wind [2400 Pascal] and snow loads [5400 Pascal]

Withstanding Hait Maximum Diameter of 25mm with impact speed of 23m/s

Power Tolerance Guaranteed +0/+5W (STC condition)

- Warranties**
- ✓ 30-year limited product warranty
 - ✓ 15-year manufacturer warranty on 94, 66% of the nominal performance
 - ✓ Linear power output guarantee over 25 years

Linear performance guarantees



Production 1st year	≥ 99.0%	Power between 2 and 25 years	≤ 0.31%	Power output at 25 years	≥ 90.0%
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OX-xxx-HJTBBV132-01(xxx=725-750)

Electrical performance

POWER CLASS ⁽¹⁾			725		730		735		740		745		750	
Measurement condition			STC ⁽²⁾	NMOT ⁽³⁾	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum power	Pmax	[Wp]	725	555	730	559	735	563	740	566	745	570	750	574
Voltage at Pmax	Vmp	[V]	43,66	41,83	43,81	42,00	43,96	42,18	44,11	42,24	44,26	42,38	44,41	42,56
Current at Pmax	Imp	[A]	16,61	13,27	16,67	13,31	16,72	13,35	16,78	13,4	16,84	13,45	16,89	13,449
Open Circuit Voltage	Voc	[V]	50,98	48,96	50,99	48,97	51,00	48,98	51,01	48,99	51,02	49,00	51,03	49,01
Short circuit current	Isc	[A]	17,64	14,23	17,66	14,25	17,68	14,26	17,7	14,28	17,72	14,30	17,74	14,31
Surface efficiency	Eff	[%]	23,3		23,5		23,7		23,8		24,0		24,1	
Max. Reverse Current	Ir	[A]												
System voltage max	Vsys	[V]	1500V CD (IEC)											

(1) Measurement tolerances: P_{max} (± 3%), I_{sc} & V_{oc} (± 3%) - Power classification 0/+5W
 (2) STC (Standard Test Conditions): Irradiance 1000W/m² Cell Temperature 25°C, AM 1.5
 (3) NMOT (Nominal Module Operating Temperature): Irradiance 800W/m² Ambient Temperature 20°C, AM

Bi Facial Output (4)

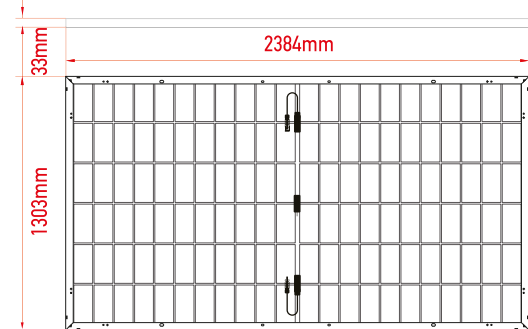
POWER CLASS		725		730		735		740		745		750	
		P _{max} (Wp)	Eff (%)	P _{max} (Wp)	Eff (%)	P _{max} (Wp)	Eff (%)	P _{max} (Wp)	Eff (%)	P _{max} (Wp)	Eff (%)	P _{max} (Wp)	Eff (%)
Power with Backside Gain	+5 (%)	761,3	24,5%	766,5	24,7%	771,8	24,8%	777,0	25,0%	782,3	25,2%	787,5	25,4%
	+10 (%)	797,5	25,7%	803,0	25,9%	808,5	26,0%	814,0	26,2%	819,5	26,4%	825,0	26,6%
	+15 (%)	833,8	26,8%	839,5	27,0%	845,3	27,2%	851,0	27,4%	856,8	27,6%	862,5	27,8%
	+20 (%)	870,0	28,0%	876,0	28,2%	882,0	28,4%	888,0	28,6%	894,0	28,8%	900,0	29,0%
	+25 (%)	906,3	29,2%	912,5	29,4%	918,8	29,6%	925,0	29,8%	931,3	30,0%	937,5	30,2%
	+30 (%)	942,5	30,3%	949,5	30,6%	955,5	30,8%	962,0	31,0%	968,5	31,2%	975,0	31,4%

(4) Bifaciality Factor > 90% - Back-side power gain depends upon the specific project albedo - Efficiency is according to the module

Mechanical characteristics

Dimensions	2384mm x 1303 x 33mm
Weight	39.0 Kg
Cells	HJT 210mm x 105mm (2x66 Pcs) - G12
Front panel	2.0mm Tempered and low iron glass + ARC
Rear panel	2.0mm Tempered and low iron glass
Frame	Anodized aluminum alloy
Junction box	IP68 - 3 Bypass Diodes
Connectors	MC4 Compatible
Cables	Cross-section: 4mm ² - Length: 300mm or can be customized

Dimensions



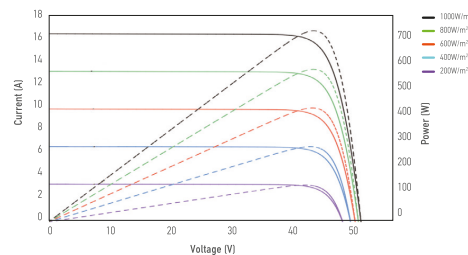
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I-V curve

Power loss in low-light environments: 200W/m² is less than 3%.



Thermal coefficients

Coeff./ P _{max}	-0.24% / °C
Coeff./ V _{oc}	-0.22% / °C
Coeff./ I _{sc}	+0.047% / °C
Operating temperature	-40~+85 °C
Nominal module operating temperature (NMOT)	42 ± 2 °C

Packaging configuration

Container	40' (HC)
Pieces per Pallet	33
Pallets per Container	18
Pieces per Container	(36+36)x9= 594 pcs