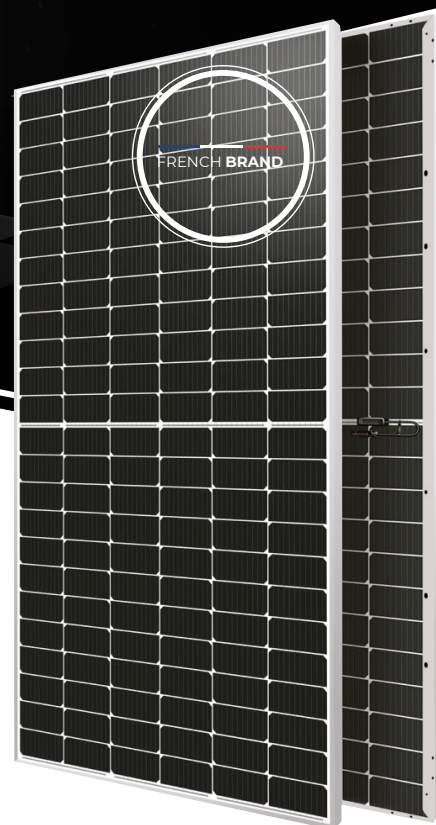


MONO CRYSTALLINE DOUBLE-GLASS HALF-CUT BIFACIAL MODULE

530 / 535 / 540 / 545 / 550 / 550 Watts



Half-Cut Series

Overview

Ground breaking technology; higher power output, improved system performance - the ideal solution for end users who want a fast turnaround on their investments. A fully certified premium quality and high efficiency module made with A Grade materials.



Guaranteed mechanical resistance to severe weather conditions



Positive Tolerance



100 % electroluminescence tested



Key benefits



Certified by Independent Engineering Bodies



Product Liability Insurance



Ultra High Power Output



25 Years Limited Product Warranty



Low Resistive Losses

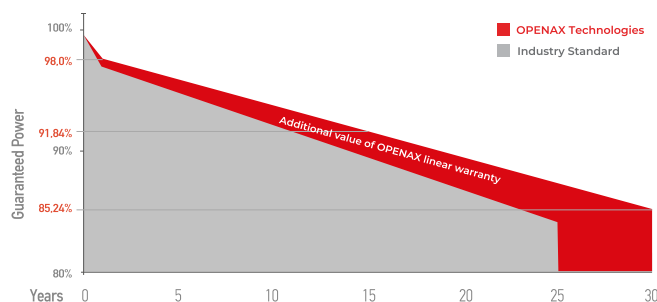


Low LCOE

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 Hail	Maximum Diameter of 25mm with impact
Power Tolerance	Guaranteed +0/+5W [STC condition]
Warranties	<ul style="list-style-type: none"> 30-year limited product warranty 15-year manufacturer warranty on 91,84% of the nominal performance Linear power output guarantee over 25 years

Linear performance guarantees



Production 1st year $\geq 98.0\%$

Power between 2 and 25 years $\leq 0.44\%$

Power output at 25 years $\geq 85.24\%$

HJT MONO CRYSTALLINE DOUBLE-GLASS HALF-CUT BIFACIAL MODULE

OX-xxx-M10TBVB182-01(xxx=530-555)

Electrical performance

POWER CLASS ⁽¹⁾			530		535		540		545		550		555	
Measurement condition			STC ⁽²⁾	NMOT ⁽³⁾	STC ⁽²⁾	NMOT ⁽³⁾	TC ⁽²⁾	NMOT ⁽³⁾	TC ⁽²⁾	NMOT ⁽³⁾	TC ⁽²⁾	NMOT ⁽³⁾	C ⁽²⁾	NMOT ⁽³⁾
Maximum power	Pmax	[Wp]	530	396	535	400	540	404	545	408	550	412	555	416
Voltage at Pmax	Vmp	[V]	41,32	37,50	41,46	37,64	41,65	37,77	41,81	37,90	41,97	38,01	42,15	38,11
Current at Pmax	Imp	[A]	12,83	10,58	12,90	10,68	12,97	10,70	13,04	10,76	13,10	10,85	13,17	10,92
Open Circuit Voltage	Voc	[V]	49,31	45,29	49,44	45,43	49,61	45,56	49,76	45,69	49,91	45,81	50,03	46,03
Short circuit current	Isc	[A]	13,73	11,45	13,78	11,52	13,85	11,59	13,92	11,66	14,02	11,73	14,07	11,8
Surface efficiency	Eff	[%]	20,52		20,71		20,90		21,10		21,29		21,48	
Max. Reverse Current	Ir	[A]	25											
System voltage max	V	[V] sys	1500V DC (IEC)											

(1) Measurement tolerances: Pmax (± 3%), Isc & Voc (± 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 80 0W/m² Ambient Temperature 20°C, AM

Bi Facial Output (4)

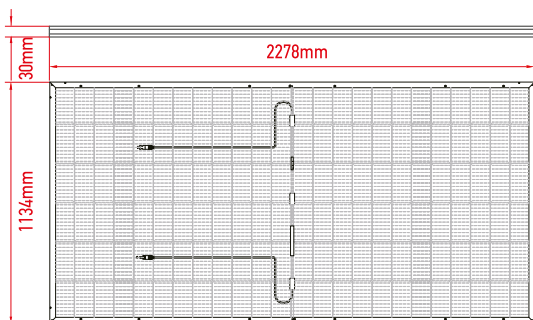
POWER CLASS		530		535		540		545		550		555	
Power with Backside Gain		Pmax (Wp)	Eff (%)	Pmax (Wp)	Eff (%)	Pmax (Wp)	Eff (%)	Pmax (Wp)	Eff (%)	Pmax (Wp)	Eff (%)	Pmax (Wp)	Eff (%)
	+5 (%)	556,5	22,1%	561,8	21,7%	567,0	21,9%	572,3	22,2%	577,5	22,4%	582,8	22,6%
	+10 (%)	583,0	22,6%	588,5	22,8%	594,0	23,0%	599,5	23,2%	605,0	23,4%	610,5	23,6%
	+15 (%)	609,5	23,6%	615,3	23,8%	621,0	24,0%	626,8	24,3%	632,5	24,5%	638,3	24,7%
	+20 (%)	636,0	24,6%	642,0	24,9%	648,0	25,1%	654,0	25,3%	660,0	25,5%	666,0	25,8%
	+25 (%)	662,5	25,6%	668,8	25,9%	675,0	26,1%	681,3	26,4%	687,5	26,6%	693,8	26,9%
	+30 (%)	689,0	26,7%	695,5	26,9%	702,0	27,2%	708,5	27,4%	715,0	27,7%	721,5	27,9%

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

Mechanical characteristics

Dimensions	2278mm x 1134mm x 30mm
Weight	31,2 Kg
Cells	Mono Perc - 182mm x 91mm (2 x 72Pcs) - M10
Front panel	2.0mm (0.13in) 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: 1200mm or can be customized

Dimensions



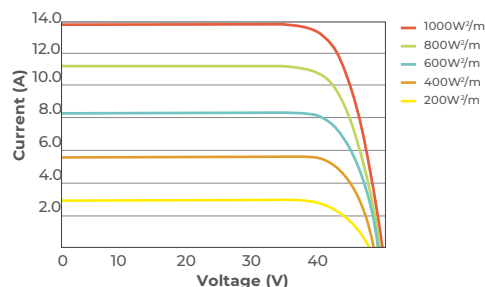
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I-V curve

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



Thermal coefficients

Coeff./ Pmax	-0.350% / °C
Coeff./ Voc	-0.275% / °C
Coeff./ Isc	+0.045% / °C
Operating temperature	-40~+85 °C
Nominal module operating temperature (NMOT)	42 ± 2 °C

Packaging configuration

Container	40' (HC)
Pieces per Pallet	36
Pallets per Container	20
Pieces per Container	(36+36)x10=720 pcs