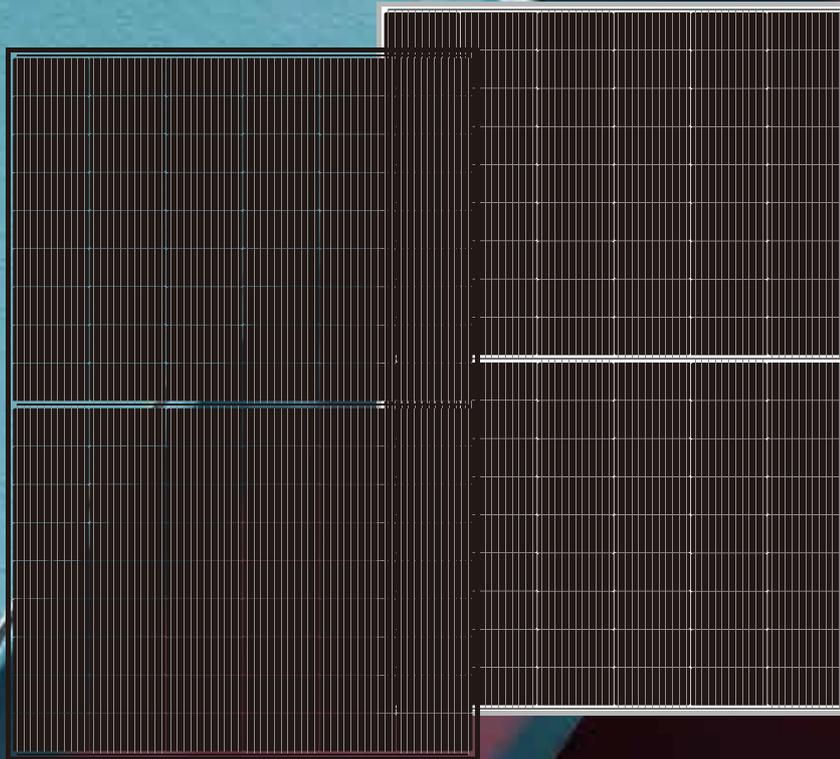




TOPCON 445W

DURABLE BIFACIAL GLASS



IEC 61215 [2016]
IEC 61730 [2016]

ISO 9001:2015
ISO 14001: 2015
ISO 45001:2018



SMBB Technology

Better light trapping and current collection to improve module power output and reliability



PID Resistance

Excellent anti-PID performance guarantee via optimized mass-production process and



Enhanced Mechanical Load

Certified to withstand: wind load 2400pa and snow load 5400pa



Hot 2.0 Technology

The N-type module with Hot 2.0 technology has better reliability and lower LID/LETID

Electrical Characteristics

Module Type	HS445-54-182 TC	
Testing Condition	STC	NOCT
Maximum Power (Pmax/W)	445	337
Open Circuit Voltage (Voc/V)	38.02	37.08
Short Circuit Current (Isc/A)	14.67	11.72
Voltage at Maximum Power (Vmp/V)	31.92	29.96
Current at Maximum Power (Imp/A)	13.94	11.15
Module Efficiency(%)	22.78	
STC: AM1.5 1000W/m ² 25°C NOCT: AM1.5 800W/m ² 20°C 1m/s Test uncertainty for Pmax: ±3%		

Mechanical Parameters

Cell Orientation	108 (2 x 54)
Junction Box	IP68 Rated
Output Cable	4.0mm ² 300/300mm (custmized available)
Glass(2.0mm Dual Glass)	Anti-Reflection Coating Front/Heat Strengthened Back
Frame	Anodized aluminum alloy frame
Weight	20.8kg
Dimension	1722x1134x30mm
Packaging	36pcs per pallet
Container	216 pcs per 20'GP / 936 pcs per 40'HC

Temperature Coefficient

Temperature Coefficient of Isc	+0.045%/°C
Temperature Coefficient of Voc	-0.250%/°C
Temperature Coefficient of Pmax	-0.290%/°C

Bifacial Output Power Gain

5% Maximum Power /STC %	467W / 23.99%
15% Maximum Power /STC %	511W / 26.16%
25% Maximum Power /STC %	554W / 28.37%

Operating Parameters

Operational Temperature	-40°C~+85°C
Power Output Tolerance	0~3%
Voc and Isc Tolerance	±3%
Maximum System Voltage	DC1000/1500V (IEC)
Maximum Series Fuse Rating	25A
NOCT	45±2°C
Protection Class	Class II
Fire Rating	IEC Class C



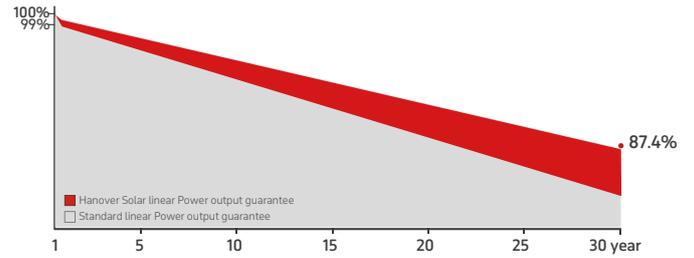
Alles im grünen Bereich.

CAUTION: read the installation instruction before using the product.

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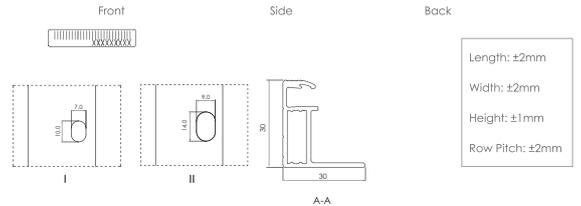
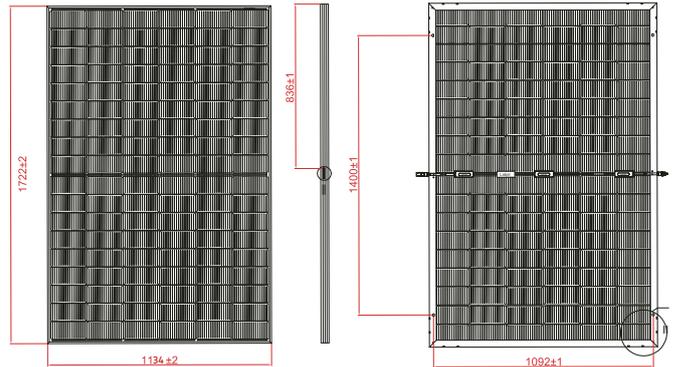
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7 Koorabel Place
Baulkham Hills NSW 2153
AUSTRALIA
+61 (0) 881 215 838

Linear Power Warranty

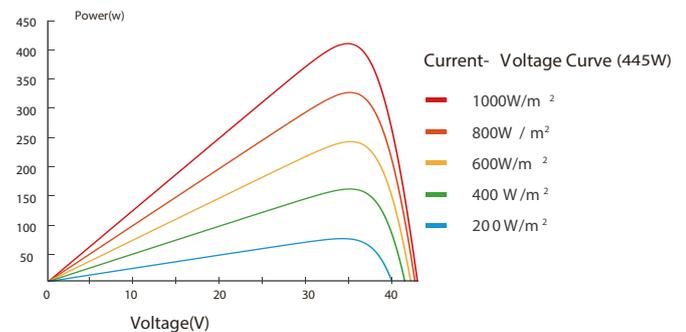
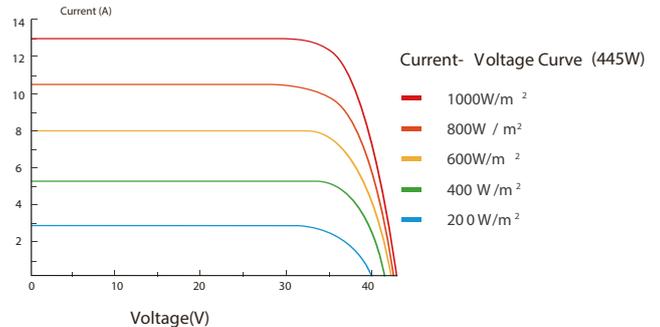


12 Year Product Warranty

30 Year Linear Power Warranty



I - V Curve



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