

TG Bifacial 390–405 GG

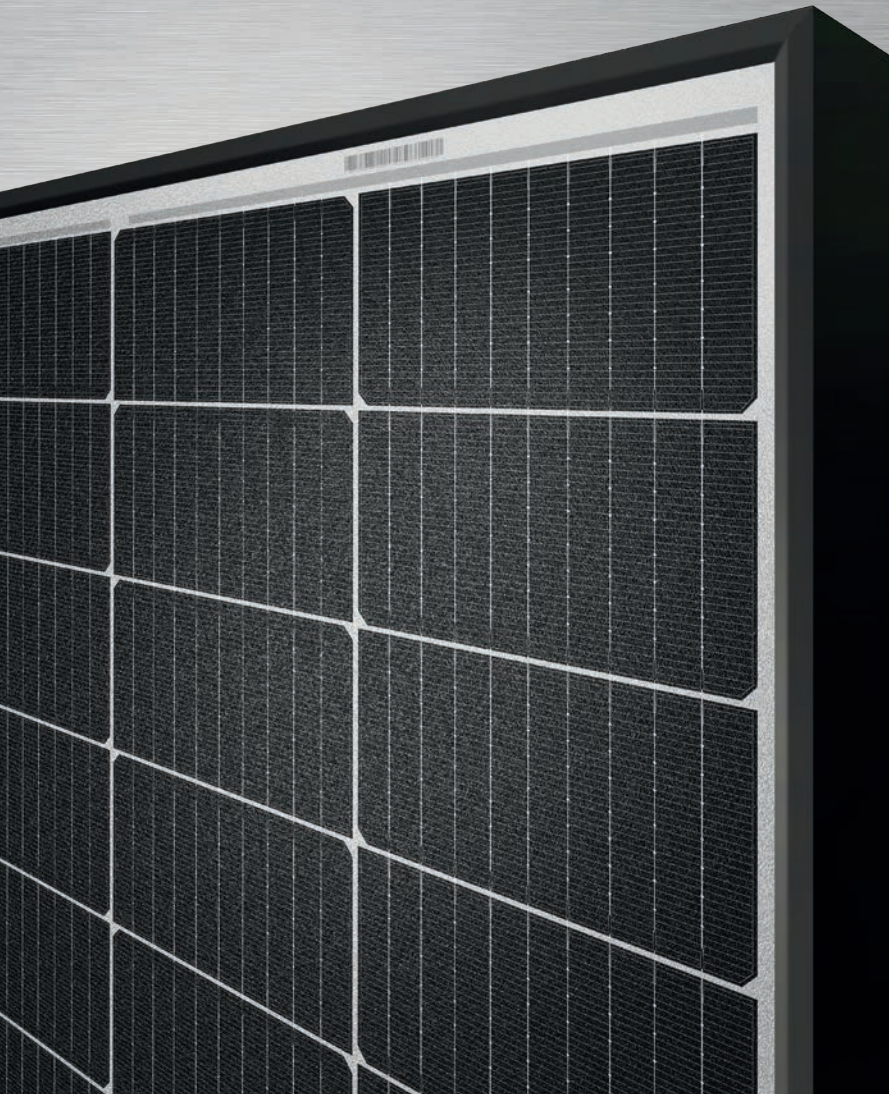
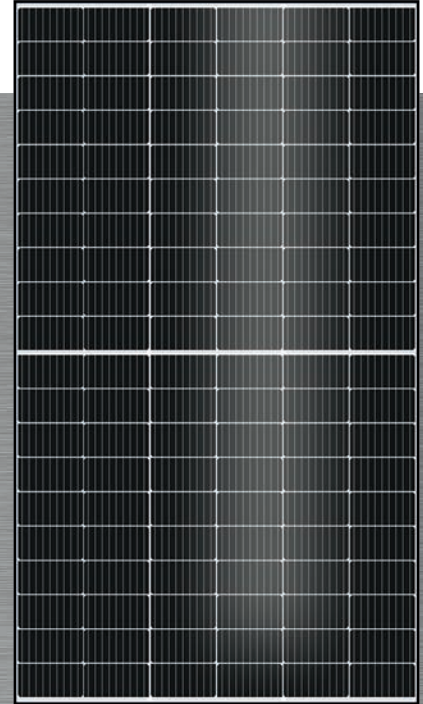
Monocrystalline Bifacial HJT Halfcut Module

Features of Module

- Extremely low degradation due to HJT technology
- Power of up to 405 Wp in a dual-glass design
- Double-sided power generation, Back side up 30%
- Adapted to harsh environment, fire class A

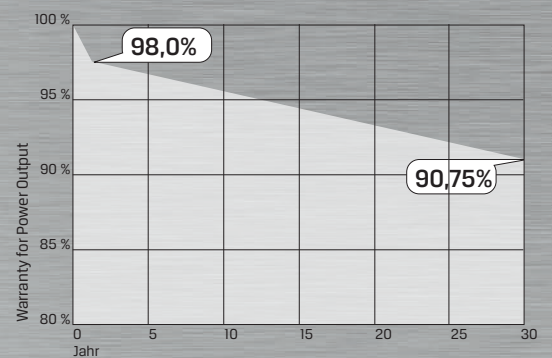
Product and Linear Power Output Warranty

15/30 15-year Product Warranty
 30-year Warranty for linear Output



Linear Power Output Warranty

1st Year <2%, Annual Degradation -0,45%



Electrical Parameters (STC)

Maximum power P_{Max} [Wp]	390	395	400	405
Power Tolerance	0~+3%	0~+3%	0~+3%	0~+3%
MPP voltage V_{MPP} [V]	38.05	38.24	38.43	38.62
MPP current I_{MPP} [A]	10.25	10.33	10.41	10.49
Open circuit voltage V_{OC} [V]	44.95	45.20	45.45	45.70
Short circuit current I_{SC} [A]	10.99	11.06	11.13	11.20
Module efficiency [%]	21.41	21.68	21.96	22.24

These measurements are valid under standard test conditions STC. All electrical data $\pm 10\%$. Measurement uncertainty PMPP (PMax): +/- 3%, (Air mass AM 1.5; radiation of 1000W/m²; cell temperature 25°C)

Integrated Power (STC) (Reference to 690W front)

Power Gains	5%	10%	15%	20%	25%
Maximum power output P_{Max} [Wp]	404	424	442	461	480
Maximum power voltage V_{MPP} [V]	37.86	37.86	37.76	37.76	37.86
Maximum power current I_{MPP} [A]	10.68	11.19	11.70	12.20	12.71
Open circuit voltage V_{OC} [V]	44.70	44.70	44.80	44.80	44.80
Short circuit current I_{SC} [A]	11.47	12.01	12.56	13.10	13.65

Temperature Coefficients

Temperature Coefficient of P_{max} (%/°C)	-0,24
Temperature Coefficient of V_{OC} (%/°C)	-0,22
Temperature Coefficient of I_{SC} (%/°C)	+0,047

Mechanical Parameters

Solar Cells	HJT 166x83
No. of Cells	120 (6x20)
Module Dimensions L*W*H	1755x1038x30
Weight	22.8
Frame	Anodised Aluminum
J-Box	IP67, 3Bypass Diodes
Cables	4,0 mm ² , 300mm
Connektor	Reihe: 05-8, Chuangyuan:PV-CY03L, Stäubli: PV-KS(B)T4EV02/XY_UR

Operating Condition

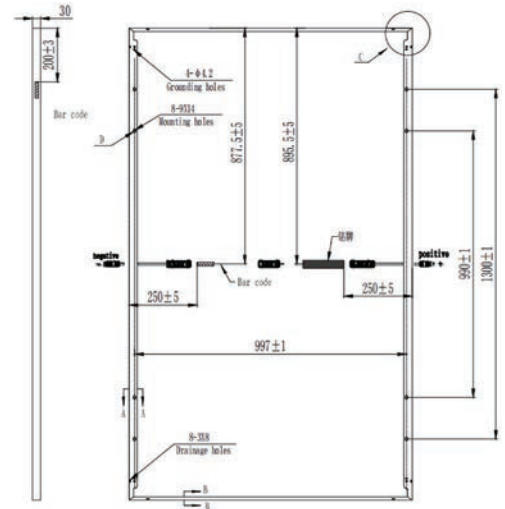
Maximum System Voltage (V) [DC]	1500
Operating Temperature	-40~+85
Max. Wind/ Snow Load	2400 / 5400
Max. Over Current (A)	20
Fire Rating	Class A
NOCT (°C)	45 \pm 2

Package Information

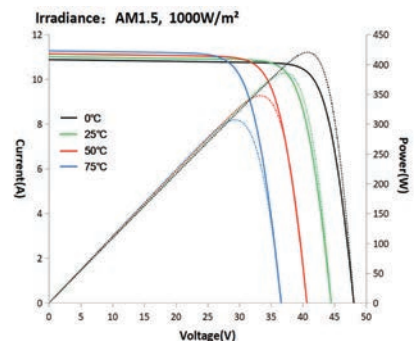
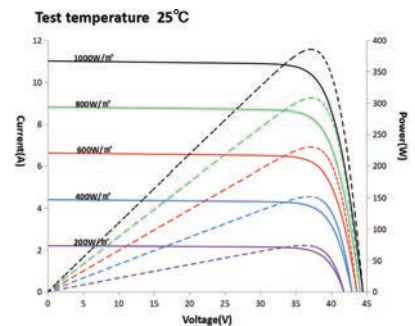
Container 40'HC	840
Quantity / Pallet	CTNR: 35

Your Dealer:

Drawings



I-V-Curve



Statement:

With technological progress and product updates, there may be deviations between the technical parameters of Trigoo's module products and the technical parameters contained in this specification. Trigoo Solar Technologies has the right to adjust the technical parameters at any time without notifying the customers, the final interpretation of the technical specification is vested in Trigoo Solar Technologies.

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