



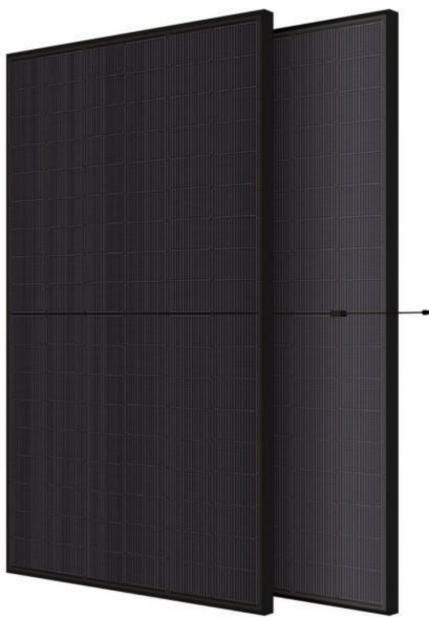
TEKO-108NBGH Series

N-type HALF-CELL Bifacial Double Glass Monocrystalline Module

405-425W
POWER RANGE

21.76%
MAXIMUM EFFICIENCY

30 YEARS
POWER OUTPUT GUARANTEE



Up to 30% additional power gain from rear side



Higher Power Output



N Topcon Technology



SMBB Technology



Zero LID



Anti PID

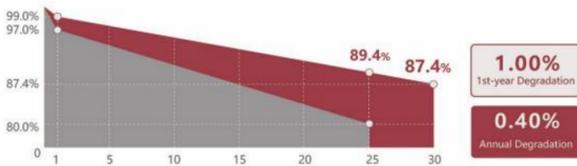


Better Temperature Coefficient



Better Weak Illumination Response

Linear Performance Warranty



25 Years Product Material & Workmanship
30 Years Linear Performance Warranty



IEC 61215 / IEC 61730 / UL6 1730

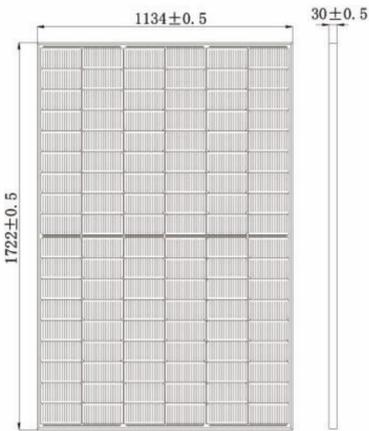
ISO 14001: Environmental Management System

ISO 9001: Quality Management System

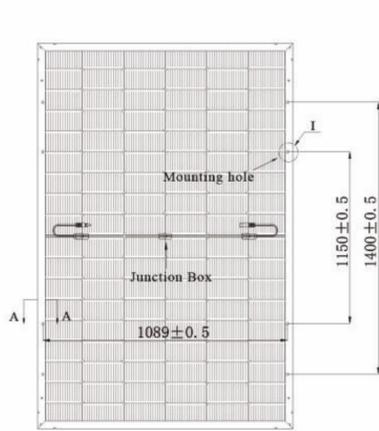
ISO45001: Occupational Health and Safety Management System

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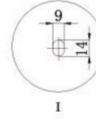
DIMENSIONS



Front View

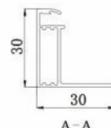


Back View

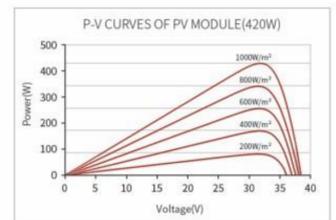
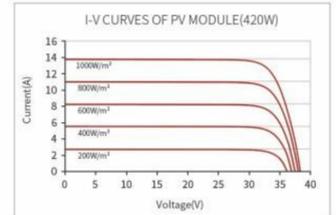


I

Unit: mm



A-A



ELECTRICAL CHARACTERISTICS | STC*

Module Type	TEKO-108NBGH-405W	TEKO-108NBGH-410W	TEKO-108NBGH-415W	TEKO-108NBGH-420W	TEKO-108NBGH-425W
Nominal Power Watt Pmax(W)*	405	410	415	420	425
Open Circuit Voltage(Voc)(V)	37.90	38.10	38.30	38.50	38.70
Maximum Power Voltage(Vmp)(V)	31.30	31.50	31.70	31.90	32.10
Short Circuit Current(A)	13.59	13.67	13.75	13.83	13.91
Maximum Power Current(Imp)(A)	12.96	13.03	13.10	13.17	13.24
Module Efficiency(%)	20.73	20.99	21.25	21.51	21.76
Power Output Tolerance Pmax	0~+5W				

*The data above is for reference only and the actual data is in accordance with the practical testing
*STC (Standard Test Condition): Irradiance 1000W/m², Module Temperature 25°C, AM 1.5
*Measuring tolerance: ±3%

MECHANICAL DATA

Cell	N-Type Mono(182*91mm)
No. of Cell	108(6x18)
Dimension	1722×1134×30mm
Weight	24.5kg±3%
Glass	2.0mm+2.0mm
Frame	Anodized aluminum alloy
Junction box	IP68, 3 diodes
Cables	4mm ² , 300mm(with Connector)
Connector	MC4-compatible

ELECTRICAL CHARACTERISTICS | NOCT*

Module Type	TEKO-108NBGH-405W	TEKO-108NBGH-410W	TEKO-108NBGH-415W	TEKO-108NBGH-420W	TEKO-108NBGH-425W
Maximum Power(Pmax)(W)	304	308	312	316	320
Open Circuit Voltage(Voc)(V)	36.01	36.20	36.39	36.58	36.77
Maximum Power Voltage(Vmp)(V)	29.36	29.57	29.78	29.99	30.21
Short Circuit Current(A)	10.85	10.92	10.99	11.06	11.13
Maximum Power Current(Imp)(A)	10.39	10.44	10.49	10.54	10.59

*NOCT: Irradiance 800W/m², Ambient Temperature 20°C, AM 1.5, Wind Speed 1m/s

TEMPERATURE RATINGS

NOCT	45±2°C
Temperature Coefficient of Pmax	-0.290%/°C
Temperature Coefficient of Voc	-0.250%/°C
Temperature Coefficient of Isc	+0.045%/°C

ELECTRICAL CHARACTERISTICS WITH DIFFERENT REAR SIDE POWER GAIN (REFERENCE TO 430W FRONT)

Power Gain	Peak Power(Pmax)(W)	MPP Voltage(Vmp)(V)	MPP Current(Imp)(A)	Open Circuit Voltage(Voc)(V)	Short Circuit Current(Isc)(A)
5%	452	32.30	13.99	38.90	14.69
10%	473	32.30	14.65	38.90	15.39
20%	516	32.30	15.98	38.90	16.79
25%	538	32.30	16.65	38.90	17.49

*Refer. Bifacial Factor: 70±10%

WORKING CONDITIONS

Maximum System Voltage	1500V DC
Operational Temperature	-40°C~+85°C
Maximum series fuse	30A
Maximum static loading(Front)	5400Pa(112lb/ft ²)
Maximum static loading(Back)	2400Pa(50lb/ft ²)

PACKAGING

Dimensions(L×W×H)	1727×1110×1255mm
Piece/Box	36
Container 40'HC	936

Due to continuous innovation, research and development and product improvement, Teko reserves the right to adjust the information in this technical parameter document at any time without prior notice.