



TEKO-120PBGH Series

HALF-CELL Bifacial Double Glass Monocrystalline Module

580-600W

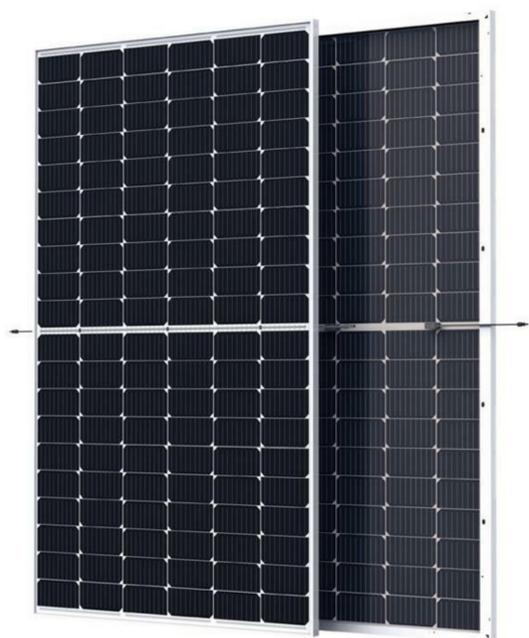
POWER RANGE

21.2%

MAXIMUM EFFICIENCY

30 YEARS

POWER OUTPUT GUARANTEE



Up to 30% additional power gain from rear side



Reduced Hot Spot Loss



Higher Power Output



Positive tolerance 0~5W



Anti PID



Lower LCOE

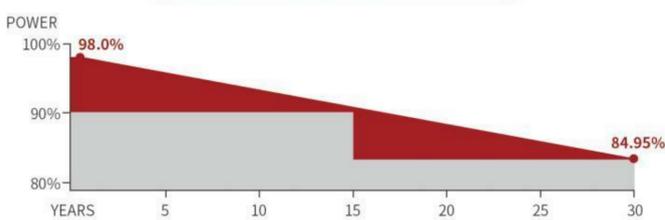


Adapt To Harsh Outdoor Environment



Front side loading 5400 Pa
Rear side loading 2400 Pa

Linear Performance Warranty



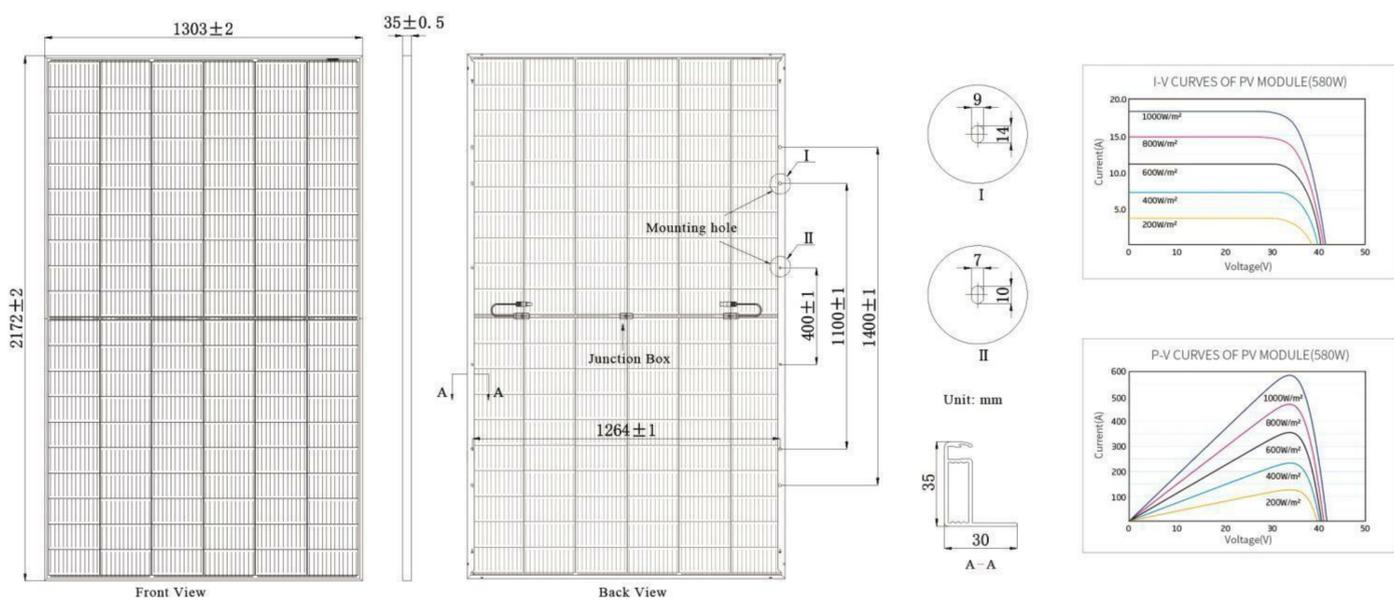
12 Years Product Material & Workmanship
30 Years Linear Performance Warranty



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



ELECTRICAL CHARACTERISTICS | STC*

Module Type	TEKO-120PBGH-580W	TEKO-120PBGH-585W	TEKO-120PBGH-590W	TEKO-120PBGH-595W	TEKO-120PBGH-600W
Nominal Power Watt Pmax(W)*	580	585	590	595	600
Open Circuit Voltage(Voc)(V)	40.9	41.1	41.3	41.5	41.7
Maximum Power Voltage(Vmp)(V)	33.8	34.0	34.2	34.4	34.6
Short Circuit Current(A)	18.21	18.26	18.31	18.36	18.42
Maximum Power Current(Imp)(A)	17.16	17.21	17.25	17.30	17.34
Module Efficiency(%)	20.5	20.7	20.8	21.0	21.2
Power Output Tolerance Pmax	0~+5W				

MECHANICAL DATA

Cell	Mono PERC(210*105mm)
No. of Cell	120(6x20)
Dimension	2172 x 1303 x 35mm
Weight	35.3kg±3%
Glass	2.0mm+2.0mm
Frame	Anodized aluminum alloy
Junction box	IP68, 3 diodes
Cables	4mm², 300mm(with Connector)
Connector	MC4-compatible

ELECTRICAL CHARACTERISTICS | NOCT*

Module Type	TEKO-120PBGH-580W	TEKO-120PBGH-585W	TEKO-120PBGH-590W	TEKO-120PBGH-595W	TEKO-120PBGH-600W
Maximum Power(Pmax)(W)	439	443	447	451	454
Open Circuit Voltage(Voc)(V)	38.5	38.7	38.9	39.1	39.3
Maximum Power Voltage(Vmp)(V)	31.5	31.7	31.9	32.0	32.2
Short Circuit Current(A)	14.68	14.72	14.76	14.80	14.84
Maximum Power Current(Imp)(A)	13.93	13.97	14.01	14.06	14.10

TEMPERATURE CHARACTERISTICS

NOCT	45 ± 2°C
Temperature Coefficient of Pmax	-0.350%/°C
Temperature Coefficient of Voc	-0.280%/°C
Temperature Coefficient of Isc	+0.048%/°C

ELECTRICAL CHARACTERISTICS WITH DIFFERENT REAR SIDE POWER GAIN (REFERENCE TO 600W 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%	630	34.6	18.21	41.7	19.34
10%	660	34.6	19.08	41.7	20.26
20%	792	34.6	20.81	41.7	22.10
25%	825	34.6	21.68	41.7	23.03

WORKING CONDITIONS

Maximum System Voltage	1500V DC
Operational Temperature	-40°C~+85°C
Maximum series fuse	35A
Maximum static loading(Front)	5400Pa(112lb/ft²)
Maximum static loading(Back)	2400Pa(50lb/ft²)

*Refer. Bifacial Factor: 70±10%

PACKAGING

Dimensions(L×W×H)	1345×1155×2310mm
Piece/Box	31
Container 40'HC	558

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.