



TEKO-144PMFH Series

HALF-CELL Monofacial Monocrystalline Module

535-555W

POWER RANGE

21.5%

MAXIMUM EFFICIENCY

25 YEARS

POWER OUTPUT GUARANTEE



MBB Technology



Reduced Hot Spot Loss



Higher Power Output



Positive tolerance 0~5W



Anti PID



Lower LCOE

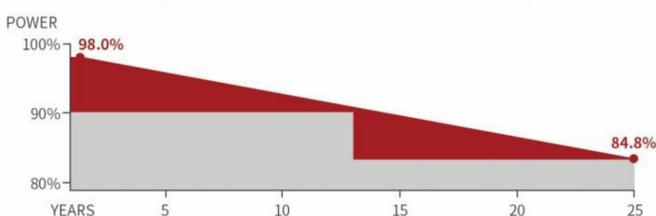


Adapt To Harsh
Outdoor Environment



Front side loading 5400 Pa
Rear side loading 2400 Pa

Linear Performance Warranty



12 Years Product Material & Workmanship
25 Years Linear Performance Warranty



IEC 61215 / IEC 61730 / UL6 1730

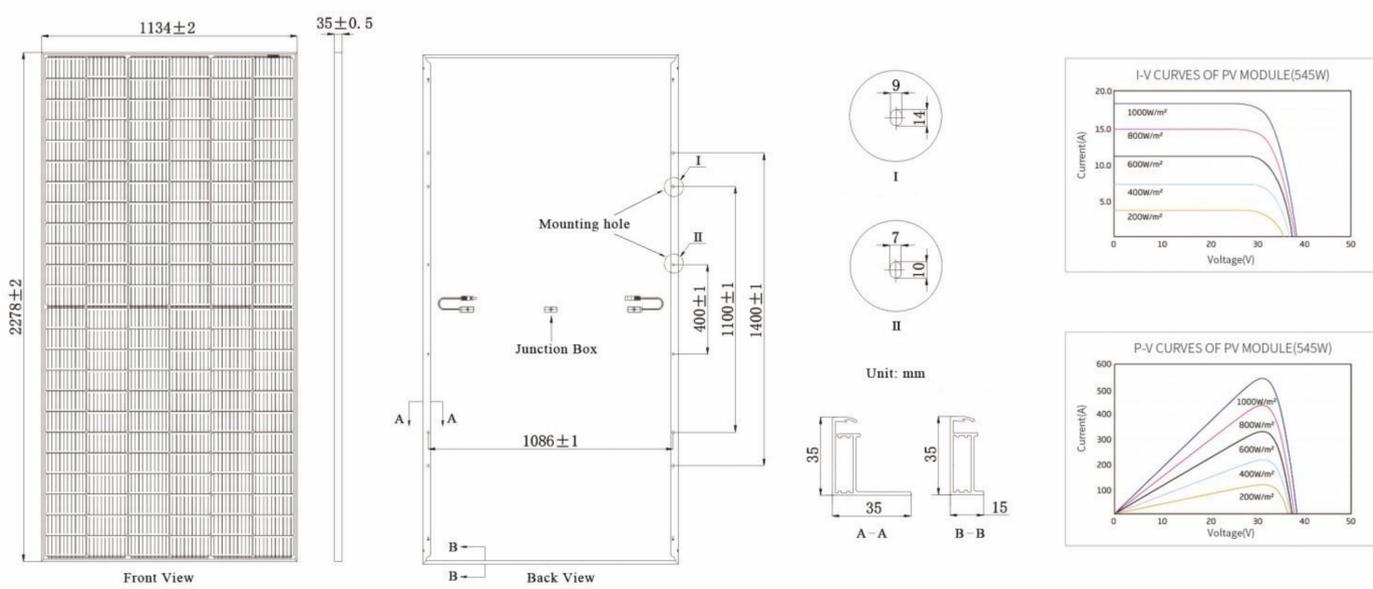
ISO 14001: Environmental Management System

ISO 9001: Quality Management System

ISO45001: Occupational Health and Safety
Management System

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DIMENSIONS



ELECTRICAL CHARACTERISTICS | STC*

Module Type	TEKO-144PMFH-535W	TEKO-144PMFH-540W	TEKO-144PMFH-545W	TEKO-144PMFH-550W	TEKO-144PMFH-555W
Nominal Power Watt Pmax(W)*	535	540	545	550	555
Open Circuit Voltage(Voc)(V)	49.51	49.75	49.98	50.22	50.45
Maximum Power Voltage(Vmp)(V)	41.77	42.06	42.35	42.64	42.93
Short Circuit Current(A)	13.60	13.63	13.66	13.70	13.73
Maximum Power Current(Imp)(A)	12.81	12.84	12.87	12.90	12.93
Module Efficiency(%)	20.7	20.9	21.1	21.3	21.5
Power Output Tolerance Pmax	0~+5W				

MECHANICAL DATA

Cell	Mono PERC(182*91mm)
No. of Cell	144(6x24)
Dimension	2278 x 1134 x 35mm
Weight	27.8kg±3%
Glass	3.2mm, Coated tempered glass
Frame	Anodized aluminum alloy
Junction box	IP68, 3 diodes
Cables	4mm², 300mm(with Connector)
Connector	MC4-compatible

*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%

ELECTRICAL CHARACTERISTICS | NOCT*

Module Type	TEKO-144PMFH-535W	TEKO-144PMFH-540W	TEKO-144PMFH-545W	TEKO-144PMFH-550W	TEKO-144PMFH-555W
Maximum Power(Pmax)(W)	404.8	408.6	412.4	416.2	420.0
Open Circuit Voltage(Voc)(V)	46.74	46.96	47.18	47.40	47.62
Maximum Power Voltage(Vmp)(V)	38.74	39.01	39.28	39.55	39.82
Short Circuit Current(A)	10.89	10.92	10.94	10.97	10.99
Maximum Power Current(Imp)(A)	10.45	10.47	10.50	10.52	10.55

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

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

WORKING CONDITIONS

Maximum System Voltage	1500V DC
Operational Temperature	-40°C~+85°C
Maximum series fuse	30A
Maximum static loading(Front)	5400Pa(112lb/ft²)
Maximum static loading(Back)	2400Pa(50lb/ft²)

PACKAGING

Dimensions(L×W×H)	2321×1150×1270mm
Piece/Box	31
Container 40'HC	620

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.