

TW*MAP-144-H MONOCRYSTALLINE MODULE**

Product Features:



Ultra low performance degradation



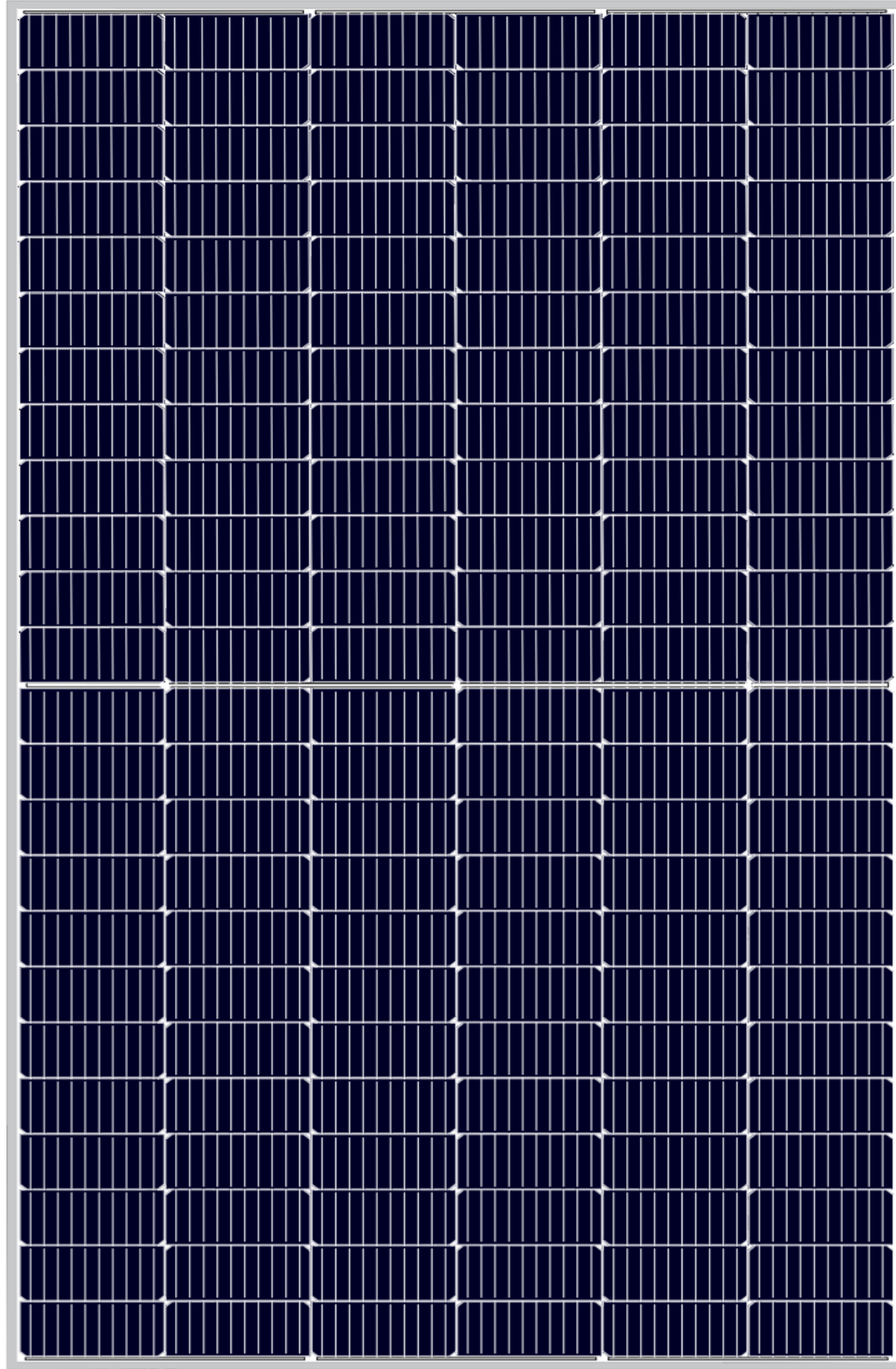
Maximum power up to 560W+



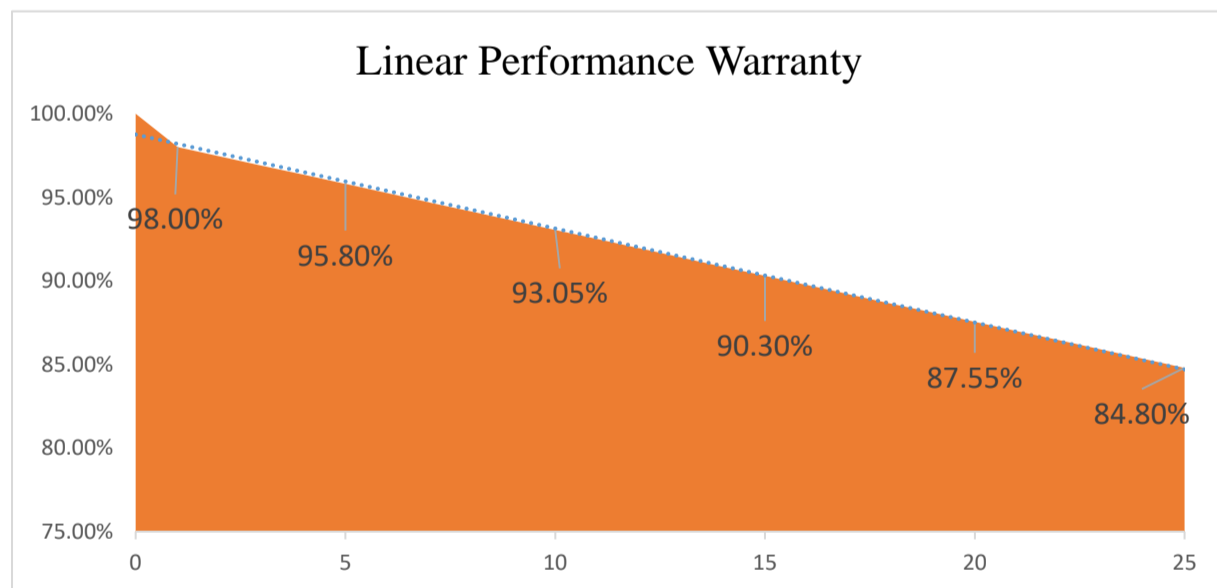
High module quality ensure long-term reliability



Excellent outdoor power generation performance



Extra Linear Power Output Warranty



12years Materials and Processing Warranty



25years Extra Linear Power Output Warranty

System Certifications:

- ISO9001: Quality Management System
- ISO14001: Environmental Management System
- ISO45001: Occupational Health and Safety Management System

Product Certifications :



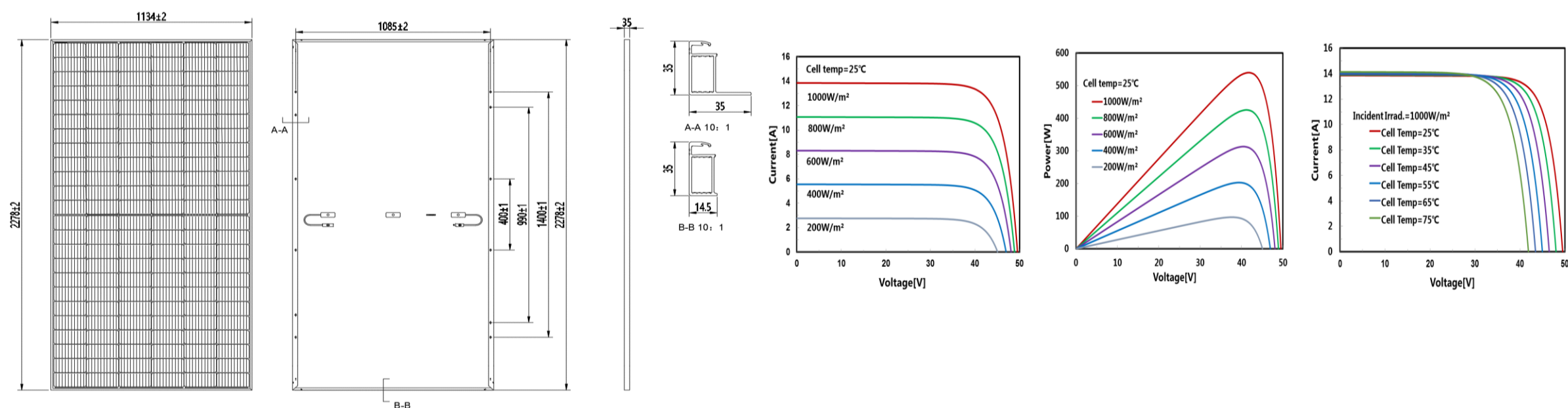
Electrical Data (STC)			
	TW545	TW550	TW555
Module Type:	MAP-144-H	MAP-144-H	MAP-144-H
Maximum Power- P_{MAX} (Wp):	545	550	555
Open Circuit Voltage- V_{OC} (V)	50.54	50.70	50.94
Short Circuit Current- I_{SC} (A)	13.73	13.81	13.87
Maximum Power Voltage- V_{MPP} (V)	42.35	42.64	42.93
Maximum Power Current- I_{MPP} (A)	12.87	12.90	12.93
Module Efficiency η (%)	21.1	21.3	21.5

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass1.5, Measuring tolerance: $\pm 3\%$

Mechanical Data	
Solar Cells	Monocrystalline
No. of cells	144 Cells[6 \times 24]
Module Dimensions	2278 \times 1134 \times 35mm
Weight	27.8kg
Glass	3.2mm, High Transmission, AR Coated Heat Strengthened Glass
Backsheet	White
Frame	Anodized Aluminium Alloy
J-Box	IP 68 rated, Three diodes
Cables	4.0 mm ² , Portrait: 280/280mm C1, Jiangsu Holysun Electronics Technology Co., Ltd. C1, JINZHOU YANGGUANG ENERGY CO., LTD. C2 and LJ-01, Jiangsu Holysun Electronics Technology Co., Ltd. C2xyz (x=blank; y=blank; z=blank);LJ-01x (x=blank), Jiangsu Holysun Electronics Technology Co., Ltd. LSC-R1, LEONI Cable (China) Co., Ltd. PV-KST4-EVO 2/xy_UR;PV-KBT4-EVO 2/xy_UR, Stäubli Electrical Connectors AG PV-KST4-EVO 2A/xy;PV-KBT4-EVO 2A/xy, Stäubli Electrical Connectors AG
Connector	UTXCFabcd;UTXCMabcd, Amphenol Technology (Shenzhen) Co., Ltd. SIKE6, ZHEJIANG FOR SOL ENERGY Co., Ltd. FC4-4, ZHEJIANG FOR SOL ENERGY Co., Ltd. PV-JY-0901-3, Yangzhou Langri New Energy technology Co., Ltd. PV-JY-0901-4, Yangzhou Langri New Energy technology Co., Ltd. PV-JY-0901-5, Yangzhou Langri New Energy technology Co., Ltd. Z4S-abcde, Zerun Co., LTD PV-XT101.1, Suzhou Xtong Photovoltaic Technologies Co., Ltd.
Static Load(Front/Rear)	5400Pa/2400Pa
Modules per box	31pcs per pallet
Packaging	155 pcs per 20'HC, 620 pcs per 40'HC

TEMPERATURE RATINGS	
Temperature Coefficient of P_{MAX}	-0.35%/°C
Temperature Coefficient of V_{OC}	-0.27%/°C
Temperature Coefficient of I_{SC}	+0.045%/°C
MAXIMUM RATINGS	
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500V DC
Max Series Fuse Rating	25A
Power Selection	0~+5W
Fire Safety Class	Class C

Dimensions Of PV Module(mm)



CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.