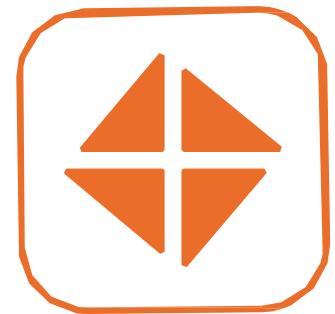


TW *** MBCP-132-D MONOCRYSTALLINE MODULE

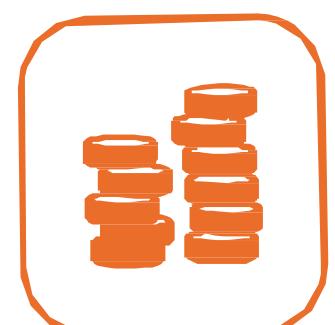
Product Features:



Ultra low performance degradation



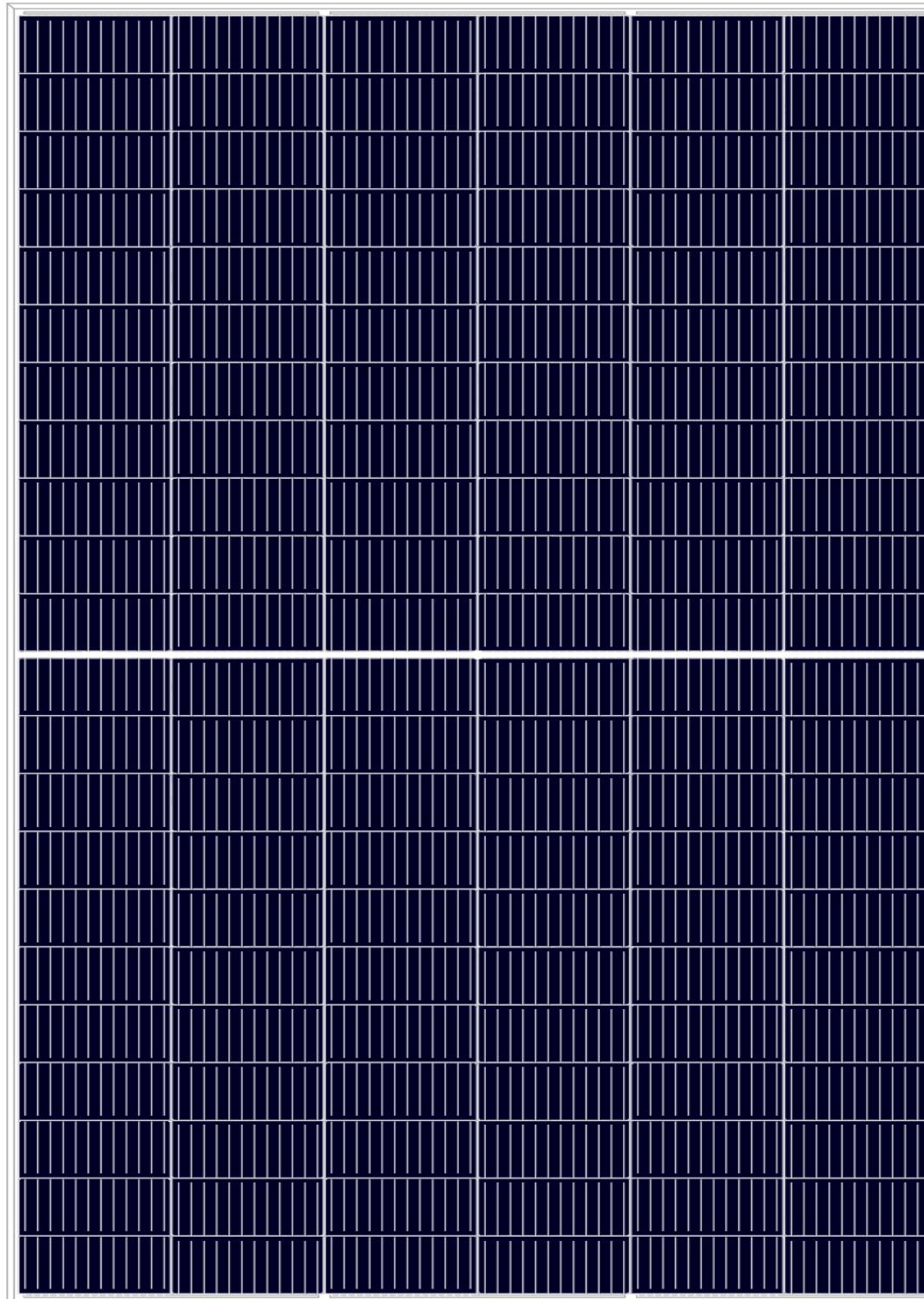
Maximum power up to 670W+



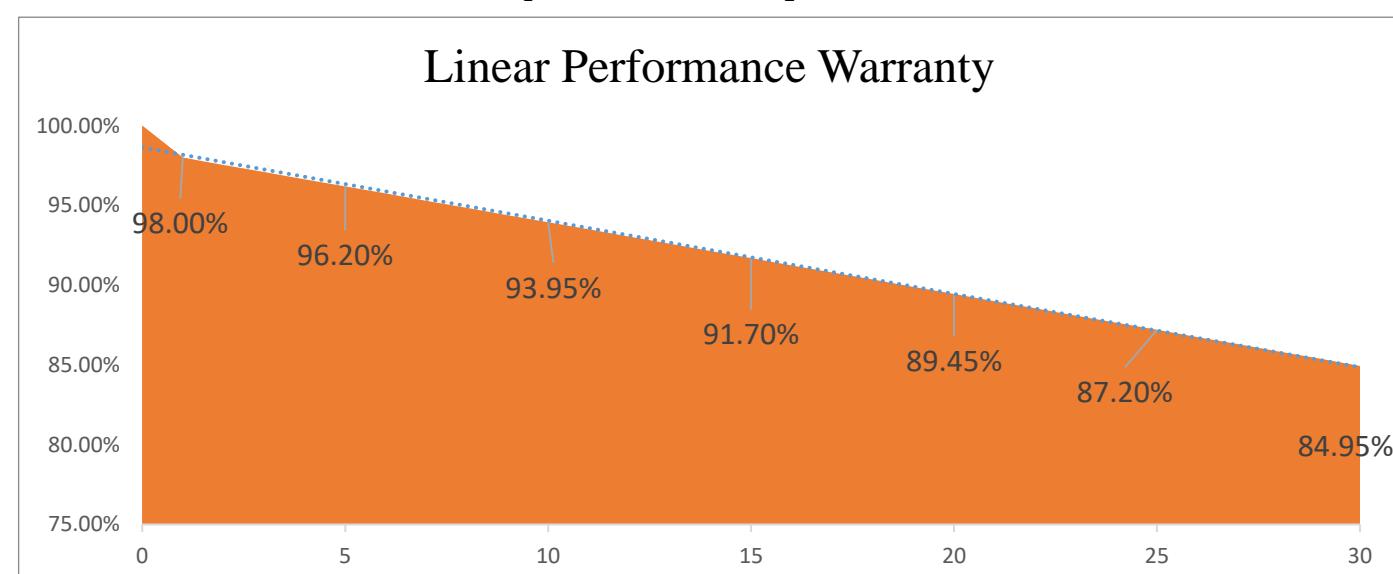
High module quality ensure long-term reliability



Excellent outdoor power generation performance



Extra Linear Power Output Warranty



12 years

Materials and Processing Warranty

30 Years

Extra Linear Power Output Warranty

System Certifications:

ISO9001: Quality Management System

ISO14001: Environmental Management System

ISO45001: Occupational Health and Safety Management System

Product Certifications :



Tongwei Solar Energy (Hefei) Co., LTD

Technical specification of the TW645~655MBCP-132-D

Electrical Data (STC)

| | TW645 | TW650 | TW655 |
|--|------------|------------|------------|
| Module Type: | MBCP-132-D | MBCP-132-D | MBCP-132-D |
| Maximum Power-P _{MAX} (Wp): | 645 | 650 | 655 |
| Open Circuit Voltage-V _{OC} (V) | 44.82 | 44.93 | 45.08 |
| Short Circuit Current-I _{SC} (A) | 18.42 | 18.51 | 18.59 |
| Maximum Power Voltage-V _{MPP} (V) | 37.40 | 37.60 | 37.80 |
| Maximum Power Current-I _{MPP} (A) | 17.25 | 17.29 | 17.33 |
| Module Efficiency η (%) | 20.8 | 20.9 | 21.1 |

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

TEMPERATURE RATINGS

Temperature Coefficient of P_{MAX} -0.35%/°C

Temperature Coefficient of V_{OC} -0.28%/°C

Temperature Coefficient of I_{SC} +0.05%/°C

MAXIMUM RATINGS

Operational Temperature -40°C~+85°C

Maximum System Voltage 1500V DC

Max Series Fuse Rating 30A

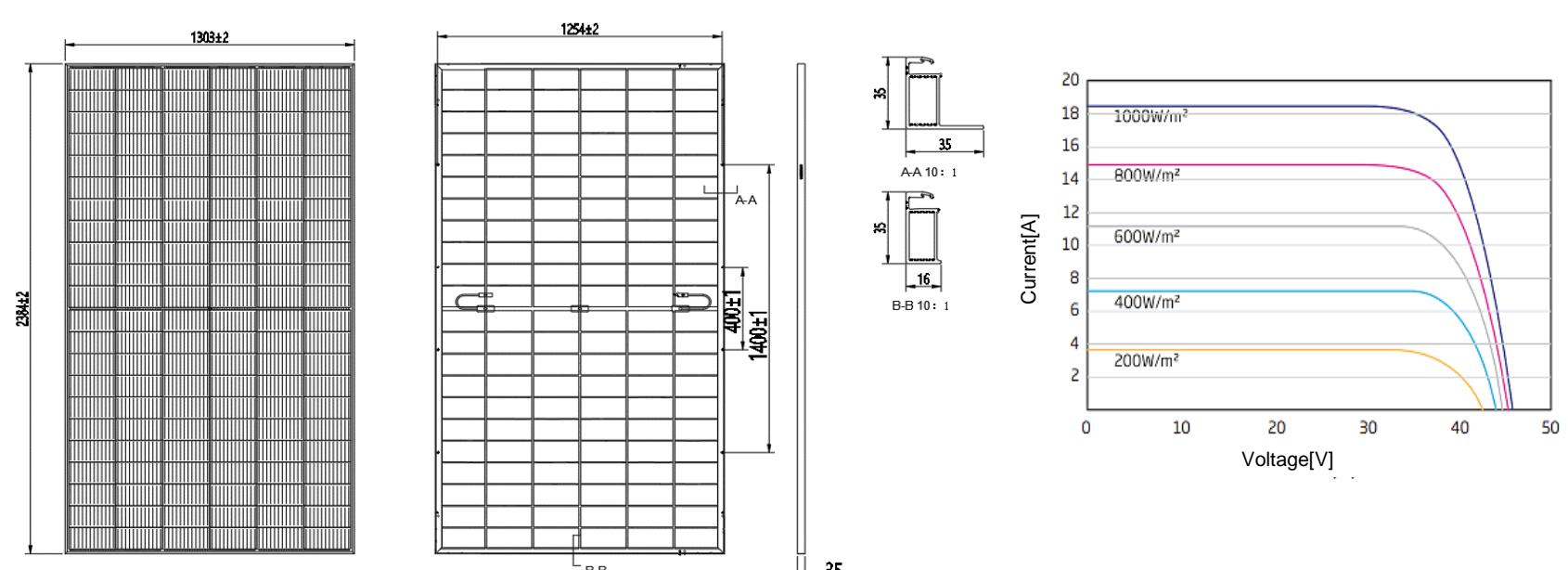
Power Selection 0~+5W

Bifaciality 70±5%

Fire Safety Class Class C

Mechanical Data

| | |
|-------------------|---|
| Solar Cells | Monocrystalline |
| No. of cells | 132[6×22] |
| Module Dimensions | 2384×1303×35mm |
| Weight | 38.7KG |
| Front Side Glass | 2.0mm High Transmission, AR Coated Heat Strengthened Glass |
| Back Side Glass | 2.0mm High Transmission, Heat Strengthened Glass |
| Frame | Anodized Aluminium Alloy |
| J-Box | IP 68 rated, Three diodes |
| Cables | 4.0 mm ² , Portrait: 280/280mm SIKE6, ZHEJIANG FOR SOL ENERGY Co., Ltd. FC4-4, ZHEJIANG FOR SOL ENERGY 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 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. UTXCFabcd;UTXCMabcd, Amphenol Technology (Shenzhen) 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-abcd, Zerun Co., LTD PV-XT101.1, Suzhou Xlong Photovoltaic Technologies Co., Ltd. |
| Connector | Static Load(Front/Rear) 5400Pa/2400Pa Modules per box 31 pcs per pallet Packaging 558 pcs per 40'HC |

Dimensions Of PV Module(mm)


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

Tongwei Solar Energy (Hefei) Co., LTD

Technical specification of the TW645~655MBCP-132-D

manufactured in China