

TW * MBCP-132-D MONOCRYSTALLINE MODULE**

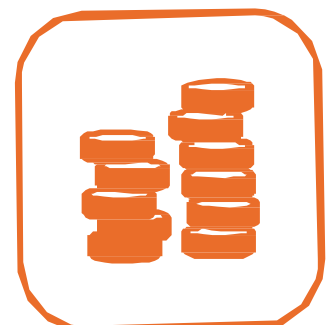
Product Features:



Ultra low performance degradation



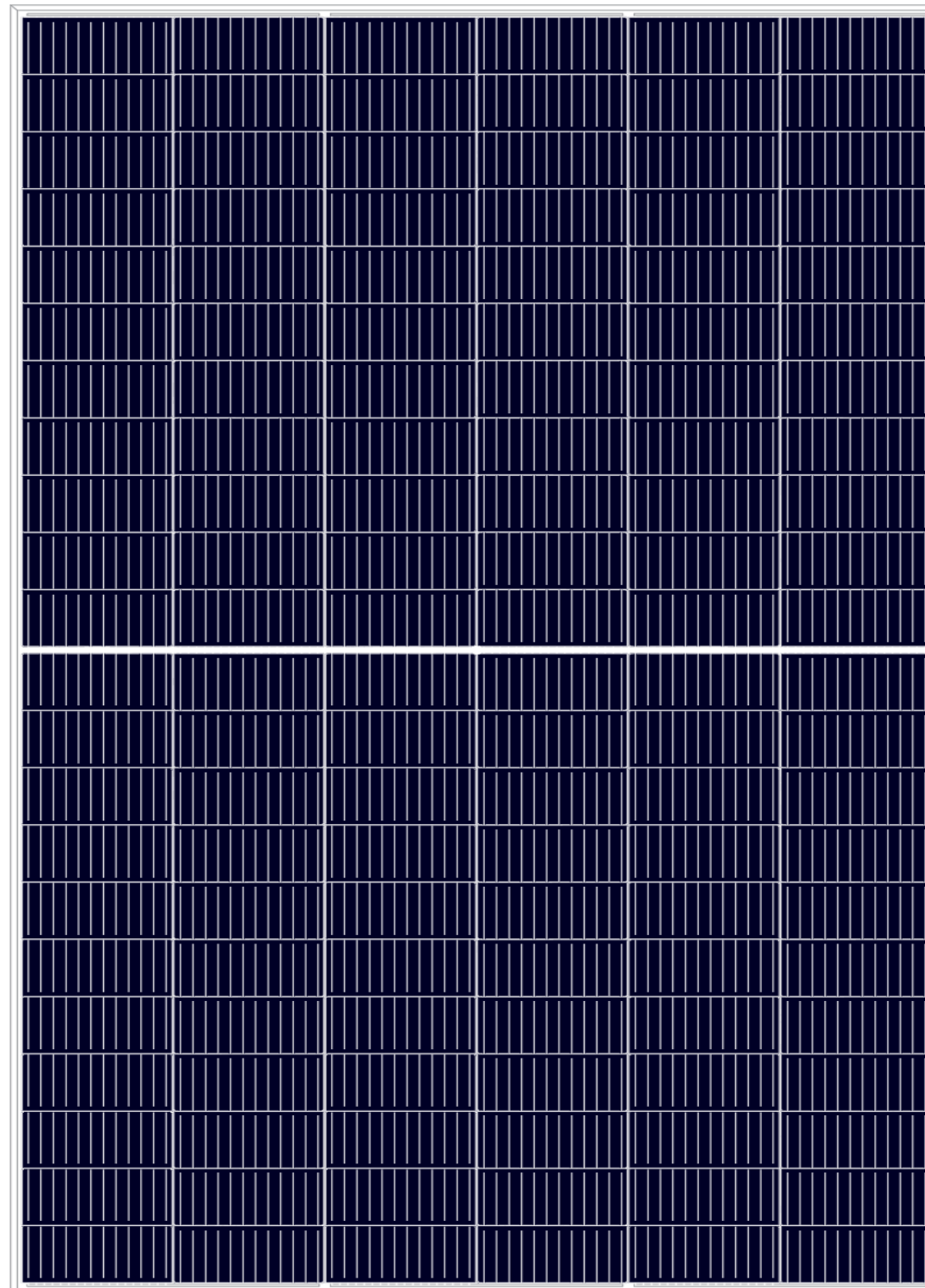
Maximum power up to 670W+



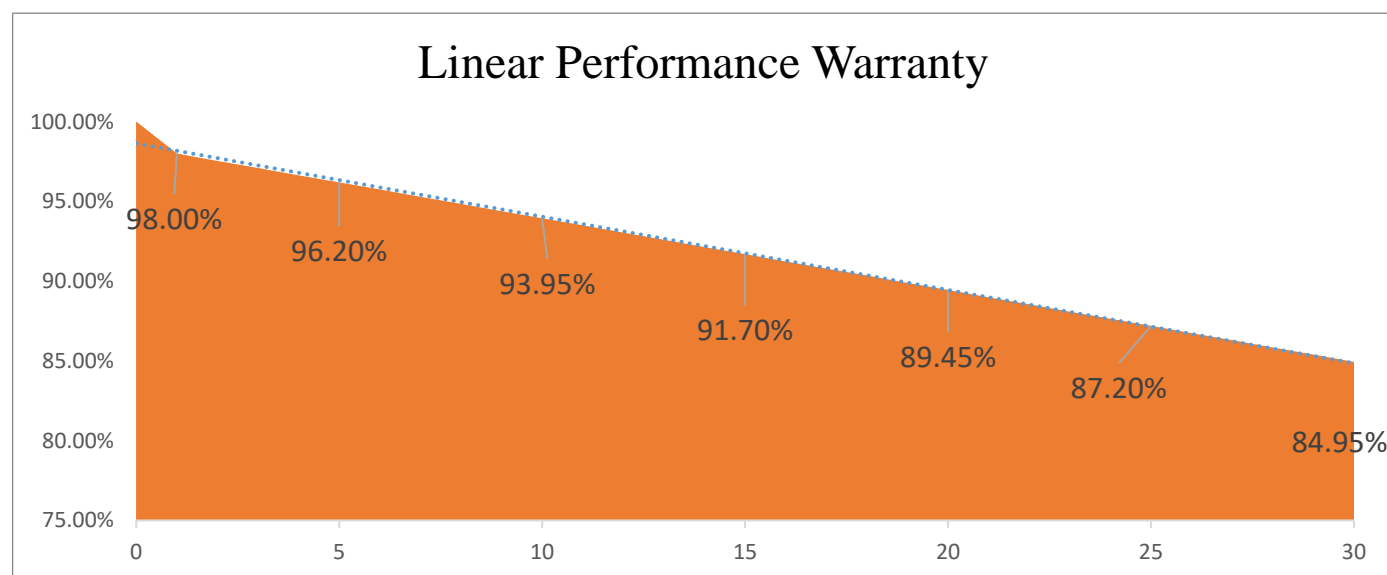
High module quality ensure long-term reliability



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 :



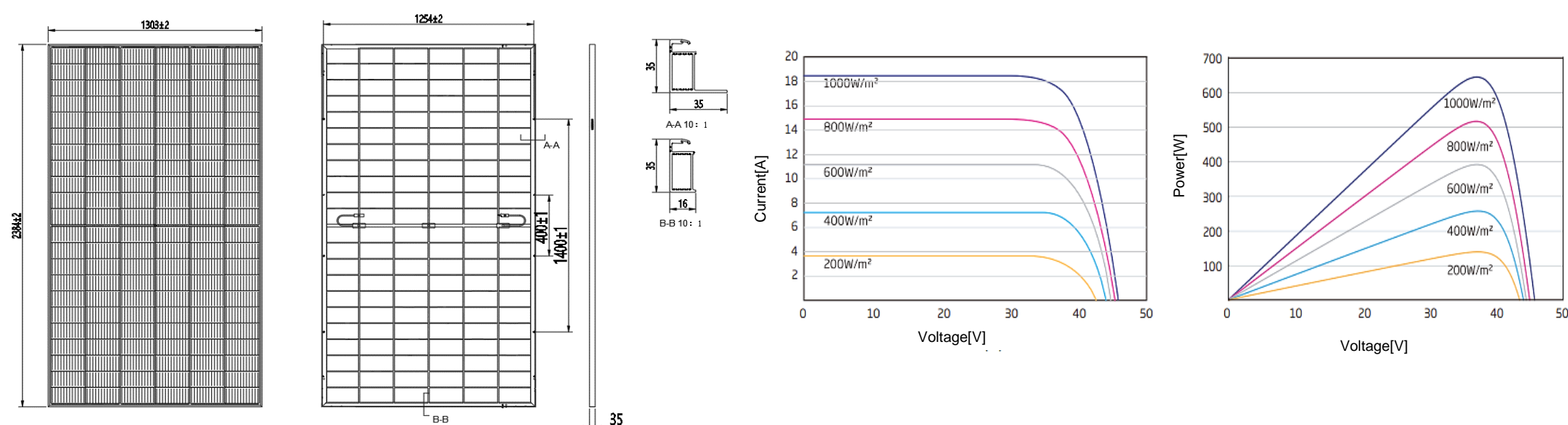
Electrical Data (STC)			
	TW645	TW650	TW655
Module Type:	MBCP-132-D	MBCP-132-D	MBCP-132-D
Maximum Power- P_{MAX} (Wp):	645	650	655
Open Circuit Voltage- V_{OC} (V)	44.82	44.93	45.08
Short Circuit Current- I_{SC} (A)	18.42	18.51	18.59
Maximum Power Voltage- V_{MPP} (V)	37.40	37.60	37.80
Maximum Power 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: $\pm 3\%$

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-abcde, Zerun Co., LTD PV-XT101.1, Suzhou Xtong Photovoltaic Technologies Co., Ltd.
Connector	
Static Load(Front/Rear)	5400Pa/2400Pa
Modules per box	31 pcs per pallet
Packaging	558 pcs per 40'HC

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

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