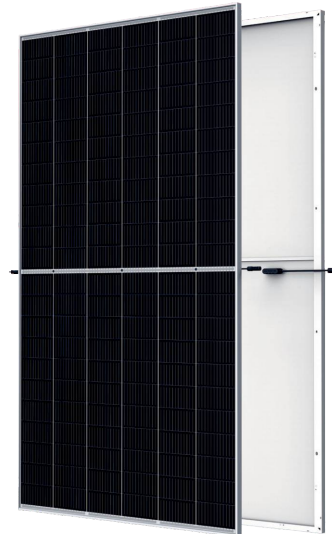




中国电子科技集团有限公司
浙江嘉科新能源环保科技有限公司
ZHEJIANG JEC NEW ENERGY TECHNOLOGY CO.,LTD

NES132/675W
210MM N-TOPCon
MBB Half Cell Solar Panel



About Us

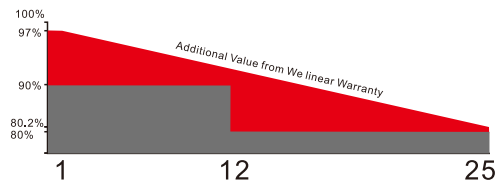
Zhejiang JEC New Energy Technology CO., Ltd (CETCsolar) located in Jiaxing, Zhejiang Province. Formerly New Energy Sector of No.36 Research Institute of CETC(No.36 Research Institute), is a holding company of No. 36 Research Institute. Our core products are PV modules, commercial, public and household PV system, PV micro system. We have a professional system design capability, specializes in design, construction, operation and maintenance for distributed PV power station and environmental PV system, has a Zhejiang Province key enterprise institute---Institute of PV equipment and intelligent control.

We will uphold the rigorous style of military workers, provide the best quality products and service to our customers and help them create value.

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Quality Guarantee

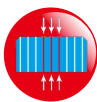
Industry-Leading Warranty Based on Nominal Power



- * 25-year linear power output warranty
- * 12-year product warranty
- * The first year attenuation $\leq 2\%$

- * MBB solar cells, Low resistance loss and higher conversion efficiency
- * Double EL test before and after lamination, highly control product defects
- * Solar panel classified by current, to improve system performance

Key Features



N-TOPCon Half Cell
The power of Half-cell solar panel increases, and the hot spot temperature reduces because of lower working current



Positive Tolerance
Positive tolerance of up to 0~+5W delivers higher outputs reliability



High PID Resistant
Advanced cell technology and qualified materials lead to high PID resistant



Current Sorting Process
System output maximized by reducing mismatch losses up to 2% with modules sorted & packaged by amperage



Extended Wind and Snow load tests
Module certified to withstand extreme wind (2400 Pascal) and snow loads(5400 Pascal)



1500V
Backsheet and junction box supporting 1500V system

Certificates

- * ISO9001:2015
- * ISO14001:2015
- * ISO45001:2018
- * TUV、CE、CQC、SGS、INMETRO、DEKRA



WeChat Official Accounts

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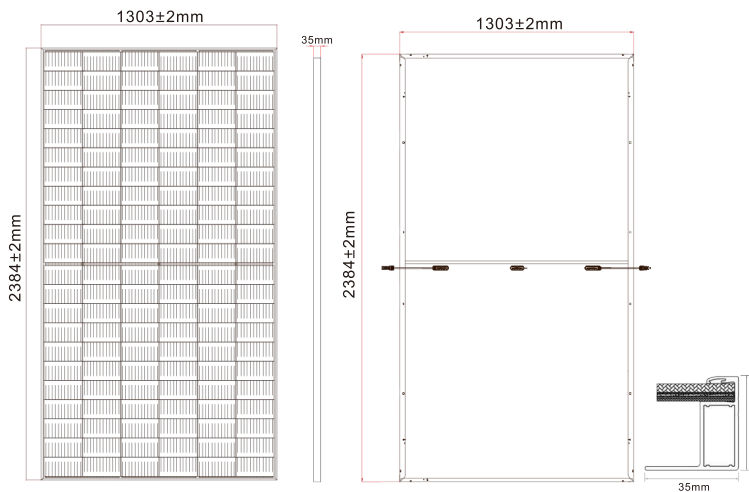
中国电子科技集团有限公司
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Electrical Characteristics

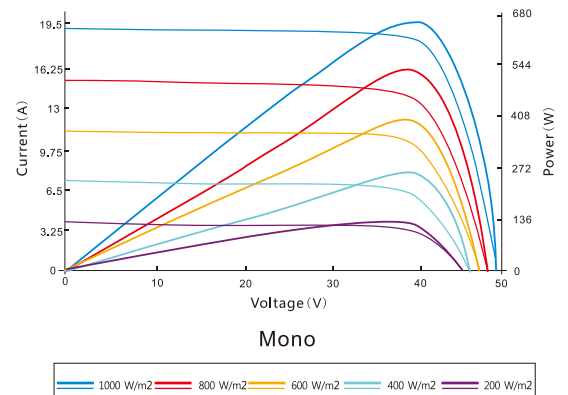
STC	NES132-7-675M
Maximum Power(Pmax)	675W
Optimum Operating Voltage(Vmp)	39.40V
Optimum Operating Current(Imp)	17.12A
Open Circuit Voltage(Voc)	47.20V
Short Circuit Current(Isc)	18.14A
Module Efficiency	21.73%
Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	1500V DC (IEC)
Power Tolerance	0~+5W

STC Irradiance 1000 W/m², module temperature 25°C, AM=1.5; Best in Class AAA solar simulator (IEC 60904-9) used

Engineering Drawing



I-V Curve



Excellent performance under weak light conditions: at an irradiance intensity of 800W/m² (AM 1.5, 25°C), 95.5% or higher of the STC efficiency(1000W/m²) is achieved.

Mechanical Characteristics

Solar Cell	210mm MBB Monocrystalline silicon cells
No. of Cells	132(6x11x2)
Dimensions	2384mmx1303mmx35mm
Weight	38kg±3%
Front Glass	2.0mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	Ip68 rated
Output Cables	TÜV (2Pfg1169:2007)
	4.0 mm ² (0.006 inches ²), 300mm/Customized
Connectors	MC4 connectors

Temperature Characteristics

NOCT	43±2°C
Temperature Coefficient of Pmax	-0.300%/°C
Temperature Coefficient of Voc	-0.240%/°C
Temperature Coefficient of Isc	0.040%/°C

Packing Configuration(35mm)

Per Pallet	31Pieces
Per Container (40' HQ)	558Pieces

Note: Specifications subject to technical changes and tests, We reserves the right of final interpretation.