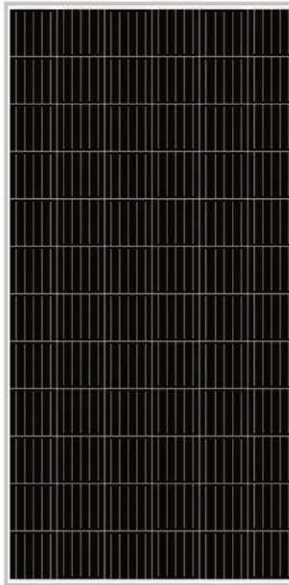




中国电子科技集团有限公司  
浙江嘉科新能源科技有限公司  
ZHEJIANG JEC NEW ENERGY TECHNOLOGY CO.,LTD



**NES72/400-410W**  
**F 35mm 5BB**  
**Right-angled Mono 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
- \* 10-year product warranty

- \*High efficiency 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

**High Conversion Efficiency**  
Module efficiency up to 20.68% achieved through advanced cell technology and manufacturing capabilities

**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)

**Withstanding Harsh Environment**  
Reliable quality leads to a better sustainability even in harsh environment like desert, farm and coastline

## Certificates

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



WeChat Official Accounts

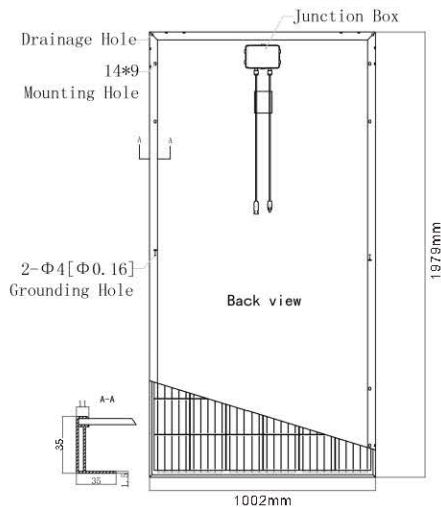
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**Electrical Characteristics**

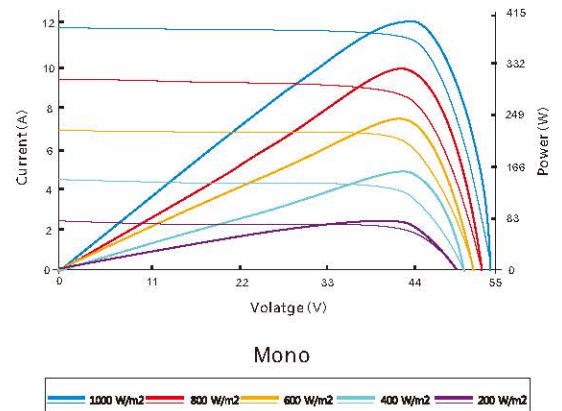
STC	NES72-6-400M	NES72-6-410M
Maximum Power(Pmax)	400W	410W
Optimum Operating Voltage(Vmp)	40.75V	41.29V
Optimum Operating Current(Imp)	9.82A	9.93A
Open Circuit Voltage(Voc)	49.93V	50.51V
Short Circuit Current(Isc)	10.32A	10.42A
Module Efficiency	20.17%	20.68%
Operating Module Temperature	-40°C to +85°C	
Maximum System Voltage	1000V DC (IEC)	
Power Tolerance	0~+5W	

STC Irradiance 1000 W/m<sup>2</sup>, 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 irradiation intensity of 800W/m<sup>2</sup> (AM 1.5, 25°C), 95.5% or higher of the STC efficiency(1000W/m<sup>2</sup>) is achieved.

**Mechanical Characteristics**

Solar Cell	158mm Monocrystalline silicon cells
No. of Cells	72(6x12)
Dimensions	1979x1002x35mm
Weight	22kg
Front Glass	3.2mm(0.13 inches) tempered glass
Frame	Anodized aluminium alloy
Junction Box	Ip67 rated
Output Cables	TÜV (2Pfg1169:2007) 4.0 mm <sup>2</sup> (0.006 inches <sup>2</sup> ), symmetrical lengths(-)1000mm and (+) 1000 mm
Connectors	MC4 connectors

**Temperature Characteristics**

NOCT	45±2°C
Temperature Coefficient of Pmax	-0.370%/°C
Temperature Coefficient of Voc	-0.300%/°C
Temperature Coefficient of Isc	0.060%/°C

**Packing Configuration(35mm)**

Per Pallet	30Pieces
Per Container (20' GP)	300Pieces
Per Container (40' HQ)	784Pieces

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

2022. V1 EN